



Department of the Army Fiscal Year (FY) 2018 Budget Estimates

**Military Construction, Army
Army Family Housing
Homeowners Assistance Fund, Defense**

**JUSTIFICATION DATA SUBMITTED TO CONGRESS
May 2017**

The estimated cost of this report for the Department of Defense is approximately \$130,032 for Fiscal Year 2017. This includes \$50,632 in expenses and \$79,400 in DoD labor.

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Department of the Army Fiscal Year (FY) 2018 Budget Estimates

Military Construction, Army

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Part IA - OCO/ERI

Part IB - HOST COUNTRY

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Part III - HOMEOWNERS ASSISTANCE

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DEPARTMENT OF THE ARMY
FISCAL YEAR 2018
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	NEW/ CURRENT	PAGE
-----	NUMBER	----- PROJECT TITLE	REQUEST	REQUEST	MISSION	-----
-----	-----	-----	-----	-----	-----	-----
Alabama	86816	Fort Rucker (IMCOM) Training Support Facility	38,000	38,000	C	3 5
		Subtotal Fort Rucker Part I	\$ 38,000	38,000		
		* TOTAL MCA FOR Alabama	\$ 38,000	38,000		
Arizona	77102	Davis-Monthan AFB (TRADOC) General Instruction Building	22,000	22,000	C	11
		Subtotal Davis-Monthan AFB Part I	\$ 22,000	22,000		
		* TOTAL MCA FOR Arizona	\$ 52,000	52,000		
	90351	Fort Huachuca (IMCOM) Ground Transport Equipment Building	30,000	30,000	C	15 17
		Subtotal Fort Huachuca Part I	\$ 30,000	30,000		
		* TOTAL MCA FOR Arizona	\$ 52,000	52,000		
California	91552	Fort Irwin (IMCOM) Land Acquisition	3,000	3,000	C	23 25
		Subtotal Fort Irwin Part I	\$ 3,000	3,000		
		* TOTAL MCA FOR California	\$ 3,000	3,000		
Colorado	73375	Fort Carson (IMCOM) Ammunition Supply Point	21,000	21,000	C	31 33
	81283	Battlefield Weather Facility	8,300	8,300	C	37
		Subtotal Fort Carson Part I	\$ 29,300	29,300		
		* TOTAL MCA FOR Colorado	\$ 29,300	29,300		

DEPARTMENT OF THE ARMY
FISCAL YEAR 2018
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE
Florida	65699	Eglin AFB (USASOC) Multipurpose Range Complex	18,000	18,000	C	43
		Subtotal Eglin AFB Part I	\$ 18,000	18,000		
		* TOTAL MCA FOR Florida	\$ 18,000	18,000		
Georgia	80855	Fort Benning (IMCOM) Training Support Facility	28,000	28,000	C	49 51
		Subtotal Fort Benning Part I	\$ 28,000	28,000		
	70677	Fort Gordon (IMCOM) Access Control Point	33,000	33,000	C	55 57
	86479	Automation-Aided Instructional Building	18,500	18,500	N	61
		Subtotal Fort Gordon Part I	\$ 51,500	51,500		
		* TOTAL MCA FOR Georgia	\$ 79,500	79,500		
Hawaii	58857	Fort Shafter (IMCOM) Command and Control Facility, Incr 3	0	90,000	C	67 69
		Subtotal Fort Shafter Part I	\$ 0	90,000		
		* TOTAL MCA FOR Hawaii	\$ 0	90,000		
Indiana	65179	Crane Army Ammunition Activity (AMC) Shipping and Receiving Building	24,000	24,000	C	75 77
		Subtotal Crane Army Ammunition Activity Part I	\$ 24,000	24,000		
		* TOTAL MCA FOR Indiana	\$ 24,000	24,000		

DEPARTMENT OF THE ARMY
FISCAL YEAR 2018
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----	NEW/ CURRENT MISSION	PAGE -----
New York	90722	West Point Military Reservation (IMCOM) Cemetery	22,000	22,000	C	83 85
		Subtotal West Point Military Reservation Part I	\$ 22,000	22,000		
		* TOTAL MCA FOR New York	\$ 22,000	22,000		
South Carolina	76149	Fort Jackson (IMCOM) Reception Barracks Complex, Ph1	60,000	60,000	C	91 93
		Subtotal Fort Jackson Part I	\$ 60,000	60,000		
	71113	Shaw Air Force Base (ARCENT) Mission Training Complex	25,000	25,000	C	97
		Subtotal Shaw Air Force Base Part I	\$ 25,000	25,000		
		* TOTAL MCA FOR South Carolina	\$ 85,000	85,000		
Texas	72843	Fort Hood (IMCOM) Battalion Headquarters Complex	37,000	37,000	C	103 105
		Subtotal Fort Hood Part I	\$ 37,000	37,000		
	67554	Fort Sam Houston (MEDCOM) Camp Bullis Vehicle Maintenance Shop	13,600	13,600	C	109
		Subtotal Fort Sam Houston Part I	\$ 13,600	13,600		
		* TOTAL MCA FOR Texas	\$ 50,600	50,600		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE
Virginia	86286	Fort Belvoir (IMCOM) Secure Admin/Operations Facility, Incr 3	0	14,124	C	115 117
		Subtotal Fort Belvoir Part I	\$ 0	14,124		
	77779	Joint Base Langley-Eustis (TRADOC) Aircraft Maintenance Instructional Bldg	34,000	34,000	C	121
		Subtotal Joint Base Langley-Eustis Part I	\$ 34,000	34,000		
	89235	Joint Base Myer-Henderson Hall (IMCOM) Security Fence	20,000	20,000	C	125 127
		Subtotal Joint Base Myer-Henderson Hall Part I	\$ 20,000	20,000		
		* TOTAL MCA FOR Virginia	\$ 54,000	68,124		
Washington	61147	Joint Base Lewis-McChord (IMCOM) Confinement Facility	66,000	66,000	C	133 135
	55199	Yakima Training Center Fire Station	19,500	19,500	C	139
		Subtotal Joint Base Lewis-McChord Part I	\$ 85,500	85,500		
		* TOTAL MCA FOR Washington	\$ 85,500	85,500		
		** TOTAL INSIDE THE UNITED STATES FOR MCA	\$ 540,900	645,024		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)
 OUTSIDE THE UNITED STATES

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----	NEW/ CURRENT MISSION	PAGE -----
Germany		Germany Various (IMCOM)				145
		Lucius D Clay Kaserne				
	86991	Administrative Building	43,000	43,000	C	147
		Stuttgart				
	86959	Commissary	40,000	40,000	C	150
		Subtotal Germany Various Part I	\$ 83,000	83,000		
		* TOTAL MCA FOR Germany	\$ 83,000	83,000		
Korea		Korea Various (IMCOM)				157
		Kunsan Air Base				
	81359	Unmanned Aerial Vehicle Hangar	53,000	53,000	C	159
		Subtotal Korea Various Part I	\$ 53,000	53,000		
		* TOTAL MCA FOR Korea	\$ 53,000	53,000		
Turkey		Turkey Various (IMCOM)				
	86832	Forward Operating Site	6,400	6,400	C	165
		Subtotal Turkey Various Part I	\$ 6,400	6,400		
		* TOTAL MCA FOR Turkey	\$ 6,400	6,400		
		** TOTAL OUTSIDE THE UNITED STATES FOR MCA	\$ 142,400	142,400		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)
 WORLDWIDE

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	NEW/ APPROPRIATION CURRENT REQUEST MISSION -----	PAGE -----
Worldwide	Various	Planning and Design (PLANDES)			
		Planning and Design Host Nation			
	81179	Host Nation Support	0	28,700	171
	81178	Planning and Design	0	72,770	173
		-----	-----	-----	-----
		Subtotal Planning and Design Part I	\$ 0	101,470	
		Unspecified Minor Construction			
	81180	Unspecified Minor Construction	0	31,500	175
		-----	-----	-----	-----
		Subtotal Unspecified Minor Construction Part I	0	31,500	
		* TOTAL MCA FOR Worldwide Various	\$ 0	132,970	
		-----	-----	-----	-----
	** TOTAL WORLDWIDE FOR MCA		\$ 0	132,970	
		-----	-----	-----	-----
	MILITARY CONSTRUCTION (PART I) TOTAL		\$ 683,300	920,394	
		Total Cost of New Mission Projects	(1)	\$ 18,500	
		Total Cost of Current Mission projects	(25)	\$ 768,924	
		Total Cost of other line items	(3)	\$ 132,970	
		Total Cost of FY 2018 MCA Projects	(29)	\$ 920,394	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (Part I) FY 2018

COMMAND SUMMARY

MAJOR ARMY COMMAND NAME -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----
 <u>INSIDE THE UNITED STATES</u>		
US Army Central	25,000	25,000
US Army Health Services Command	13,600	13,600
US Army Installation Management Command	404,300	508,424
US Army Materiel Command	24,000	24,000
US Army Special Operations Command	18,000	18,000
US Army Training and Doctrine Command	56,000	56,000
 <u>OUTSIDE THE UNITED STATES</u>		
US Army Installation Management Command	142,400	142,400
 <u>WORLDWIDE</u>		
Military Construction, Army Unspecified Minor	0	31,500
Planning and Design	0	101,470
 TOTAL	 683,300	 920,394

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MILITARY CONSTRUCTION, ARMY

The military construction program for the active Army shown in the schedules of this title is summarized in the following tabulation:

<u>FISCAL YEAR</u>	<u>MILITARY CONSTRUCTION, ARMY APPROPRIATIONS (\$)</u>
2018	\$ 920,394,000
2017	\$ 581,959,000
2016	\$ 727,745,000

1. Major Construction. The MCA major construction program is one of the most visible means of improving the working and living conditions of Army personnel. This program provides for military construction projects in the United States and overseas as authorized in currently effective Military Construction Acts and in this year's request for Authorizations and Appropriations.

This request funds the Army's most critical facility needs that support readiness both within the United States and overseas. The Army's military construction investment focuses on support of Combatant Commander's requirements; cyber capability facility deficits; footprint consolidation; and recapitalization and modernization of poor and failing facilities to include training and operations facilities to improve force readiness.

2. Minor Construction. Provision is made for construction of future unspecified projects that have not been individually authorized by law but are determined to be urgent requirements and do not cost more than the amounts specified in 10 U.S.C. 2805. Projects awarded with these funds may not exceed \$3 million. They may be awarded up to \$4 million if there is a threat to life, health, or safety that cannot be mitigated with O&M funds, and deferral of the construction project until the next Military Construction Authorization Act poses an unacceptable and imminent risk to military personnel. The funded cost limit is \$6 million if the project is intended for the revitalization or recapitalization of laboratories under the jurisdiction of the Army.

3. Planning & Design. This provides for the necessary pre-award activities for military construction projects including surveys, studies, maintaining standards and criteria, design and cost estimates, and other related activities. This program also provides for host nation support design and construction management. In general, design funds requested in Fiscal Year 2018 will be used to design projects in the Army's Fiscal Year 2019 and 2020 programs. All new construction projects are designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Compliance shall be to the extent project funds and technology allows. On-site renewable energy requirements may be met on an installation-wide or program-wide basis.

Department of Defense

MILITARY CONSTRUCTION, ARMY

Fiscal Year 2018

MILITARY CONSTRUCTION, ARMY

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property for the Army as currently authorized by law, including personnel in the Army Corps of Engineers and other personal services necessary for the purposes of this appropriation, and for construction and operation of facilities in support of the functions of the Commander in Chief, \$920,394,000 to remain available until September 30, 2022: Provided, That of this amount, not to exceed \$101,470,000 shall be available for study, planning, design, architect and engineer services, and host nation support, as authorized by law, unless the Secretary of Army determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of the determination and the reasons therefore.

Items of Interest-Authorizing Committees

Incremental and Phased Projects

On page 537 (of the Senate Report 110-77, NDAA 2008), the Committee requested that the military departments include on each project justification document (the DD Form 1391), the entire cost of the requirement as well as the cost, by fiscal year, of each past and future phase or increment, in a table format. The Army has provided this information, as requested on all phased or incrementally funded projects in the FY 2018 Budget Request. The following phased or incrementally funded projects are:

<u>ST</u>	<u>Location</u>	<u>Description</u>
HI	Fort Shafter	Command and Control Facility, Incr 3
SC	Fort Jackson	Reception Barracks Complex, Ph1
VA	Fort Belvoir	Secure Admin/Operations Facility, Incr 3

Additional Issues

Requirement for Additional Scope Authorization, FY 2014 Project:

Joint Base Lewis-McChord (JBLM), Washington, Airfield Operations Complex

Congress authorized the Army \$37.0 million in FY 2014 to construct this project to support aviation operations at JBLM. It includes a flight control tower, a fire station, a remote switching unit (RSU), a regional flight center, an access apron, an aircraft holding/run-up apron, a fixed wing taxiway, a fire training area, a standby generator, fire protection and alarm systems, and supporting facilities.

During design refinement after the project was authorized, it was determined that the requirement for standby generator capacity is greater than originally anticipated. In addition, the physical location of the facilities in the complex requires multiple generators rather than one central generator to provide the standby capacity. The Army requests an increase for the standby generator capacity from 500KW to 1000KW, and that this capacity be allocated among the appropriate number of generators, to be determined during the final electrical engineering analysis. An adjusted DD Form 1391 that incorporates the additional scope to meet these requirements is shown on page number xvii. The correct primary scope is listed below.

<u>ST</u>	<u>Location</u>	<u>Description (Line Item)</u>	<u>Unit</u>	<u>Quantity</u>
WA	Joint Base Lewis-McChord	Flight Control Tower	SF	13,704
		Regional Flight Center	SF	20,000
		Fire Station	SF	27,928
		Remote Switching Unit	SF	3,000
		Access Apron	SY	2,931
		Aircraft Holding/Run-up Apron	SY	534
		Fixed Wing Taxiway	SY	1,719
		Fire Training Area	SY	1,667
		Standby Generators	KW	1,000

Sustainability/Energy Measures	LS
Antiterrorism Measures	LS
Building Information Systems	LS

Requirement for Additional Scope Authorization, FY 2015 Project:

Fort Shafter, Hawaii, Command and Control Facility (C2F)

Congress authorized the Army \$311.4 million in FY 2015 to construct a consolidated facility to support the command and control requirements of the U.S. Army Pacific (USARPAC) at Fort Shafter. The project was incrementally funded across FY 2015 (\$85.0 million), FY 2017 (\$40.0 million), FY 2018 (\$90.0 million) and FY 2019 (\$96.4 million).

The C2F Complex includes administrative areas, secure operations building with Sensitive Compartmented Information Facility (SCIF), command group building, support operations building and a parking structure. Construction will be performed in compliance with pertinent Intelligence Community Directives. Additionally, in order to meet design standards and the requirement to maintain 24-hour uninterrupted operation and protect building systems against cyber-attack, additional scope is requested to include redundant power generators and cyber security measures in the project. The authorized DD Form 1391 did not include generators and cyber security measures.

Additional military construction funds are required to complete the original authorized scope and the requested additional scope (generators and cyber security measures). The additional scope, inflation of the project unit cost and revised area cost factors from FY 2014-FY 2016 have increased the project amount to \$370 million. The Army proposes incrementally funding the project at \$370.0 million, as follows: FY 2015 (\$85.0 million), FY 2017 (\$40.0 million), FY 2018 (\$90.0 million), and FY 2019 (\$155.0 million).

An adjusted DD Form 1391 that incorporates adjusted costs and additional scope is provided on page number xxi. The correct primary scope is listed below.

<u>ST</u>	<u>Location</u>	<u>Description (Line Item)</u>	<u>Unit</u>	<u>Quantity</u>
HI	Fort Shafter	Command and Control Fac (C2F)	SF	241,693
		Parking Garage, Multistoried	SP	916
		SCIF ODNI Compliance	LS	
		Substation, Load Uninter Switch	KVA	40,000
		Redundant Power Generators	EA	6
		Building Information Systems	LS	
		Sustainability/Energy Measures	LS	
		Cyber Security Measures	LS	

Requirement for Additional Scope Authorization, FY 2017 Host Country Funded Project:

Camp Humphreys, Korea, 8th Army Correctional Facility

In FY 2017, Congress authorized the Secretary of Defense to accept a military construction project funded by the Republic of Korea for construction of a correctional facility for the 8th Army. Subsequent to project submission, it was determined during coordination between the Army and the Republic of Korea's design agent that the requirement for the Level 1 Correctional Facility should be

increased to 26,000 square feet, the First Floor Structural Slab should be increased to 26,135 square feet, and that the utility/tool storage building should have a scope of 400 square feet. An adjusted DD Form 1391 that incorporates additional scope to meet these requirements is provided on page number xxv. The Army requests that the Secretary of Defense be authorized to accept the military construction project at this increased scope. The correct primary scope is listed below.

<u>ST</u>	<u>Location</u>	<u>Description (Line Item)</u>	<u>Unit</u>	<u>Quantity</u>
KO	Camp Humphreys	Level I Correctional facility	SF	26,000
		Guard House (Access Control Facility)	SF	150.69
		Utility/Tool Storage (for generator)	SF	400
		Power Plant Building (for generator)	SF	301.39
		Diesel Generator w/switchgear (300KW)	EA	1
		First Floor Structural Slab	SF	26,135
		Pile Foundation	LF	3,806
		Antiterrorism Measure	LS	
		Building Information Systems	LS	

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1. COMPONENT Army		FY 2014 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 14 APR 2017			
3. INSTALLATION AND LOCATION Joint Base Lewis-McChord Washington				4. PROJECT TITLE Airfield Operations Complex				
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 133 10	7. PROJECT NUMBER 91576		8. PROJECT COST (\$000) 37,000			
9. COST ESTIMATES								
ITEM					UM	QUANTITY	UNIT COST	COST(\$000)
PRIMARY FACILITY								25,727
Flight Control Tower					SF	13,704	646.72	(8,863)
Regional Flight Center					SF	20,000	293.30	(5,866)
Fire Station					SF	27,928	257.76	(7,199)
Remote Switching Unit					SF	3,000	346.79	(1,040)
Access Apron					SY	2,931	163.39	(479)
Total from Continuation page(s)								(2,280)
SUPPORTING FACILITIES								7,774
Electric Service					LS	--	--	(1,121)
Water, Sewer, Gas					LS	--	--	(593)
Steam And/Or Chilled Water Distribution					LS	--	--	(116)
Paving, Walks, Curbs And Gutters					LS	--	--	(2,224)
Storm Drainage					LS	--	--	(341)
Site Imp(2,368) Demo(161)					LS	--	--	(2,529)
Information Systems					LS	--	--	(850)
ESTIMATED CONTRACT COST								33,501
CONTINGENCY (5.00%)								1,675
SUBTOTAL								35,176
SUPERVISION, INSPECTION & OVERHEAD (5.70%)								2,005
TOTAL REQUEST								37,181
TOTAL REQUEST (ROUNDED)								37,000
INSTALLED EQT-OTHER APPROPRIATIONS								(483)
10. Description of Proposed Construction								
<p>Construct an Airfield Operations Complex. Project includes Flight Control Tower, Fire Station, Remote Switching Unit (RSU), regional flight center, access apron, aircraft holding/run-up apron, fixed wing taxiway, fire training area, standby generator, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection and building information systems. Sustainable design and energy measures will be provided. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating will be provided from either the existing heating plant or individual heating units depending on what is most cost effective. Building information systems for this facility are unique in nature and not included in the unit cost of the buldings. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards and additional provisions for progressive collapse will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. The air control avionics will be relocated from the existing tower. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) 189.1 standards through improved building envelope and integrated building systems performance. Air Conditioning (Estimated 120 Tons).</p>								

1. COMPONENT Army		FY 2014 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 14 APR 2017																																																				
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<table border="1"> <thead> <tr> <th>ITEM</th> <th>UM</th> <th>QUANTITY</th> <th>UNIT COST</th> <th>COST (\$000)</th> </tr> </thead> <tbody> <tr> <td colspan="6">PRIMARY FACILITY (CONTINUED)</td> </tr> <tr> <td>Aircraft Holding/ Run-up Apron</td> <td>SY</td> <td>534</td> <td>155.09</td> <td>(83)</td> </tr> <tr> <td>Fixed Wing Taxiway</td> <td>SY</td> <td>1,719</td> <td>163.39</td> <td>(281)</td> </tr> <tr> <td>Fire Training Area</td> <td>SY</td> <td>1,667</td> <td>161.93</td> <td>(270)</td> </tr> <tr> <td>Redundant Power Generators, 1000 kW</td> <td>LS</td> <td>--</td> <td>--</td> <td>(528)</td> </tr> <tr> <td>Sustainability/Energy Measures</td> <td>LS</td> <td>--</td> <td>--</td> <td>(485)</td> </tr> <tr> <td>Antiterrorism Measures</td> <td>LS</td> <td>--</td> <td>--</td> <td>(133)</td> </tr> <tr> <td>Building Information Systems</td> <td>LS</td> <td>--</td> <td>--</td> <td>(500)</td> </tr> <tr> <td colspan="3"></td> <td>Total</td> <td>2,280</td> </tr> </tbody> </table>						ITEM	UM	QUANTITY	UNIT COST	COST (\$000)	PRIMARY FACILITY (CONTINUED)						Aircraft Holding/ Run-up Apron	SY	534	155.09	(83)	Fixed Wing Taxiway	SY	1,719	163.39	(281)	Fire Training Area	SY	1,667	161.93	(270)	Redundant Power Generators, 1000 kW	LS	--	--	(528)	Sustainability/Energy Measures	LS	--	--	(485)	Antiterrorism Measures	LS	--	--	(133)	Building Information Systems	LS	--	--	(500)				Total	2,280
ITEM	UM	QUANTITY	UNIT COST	COST (\$000)																																																				
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Antiterrorism Measures	LS	--	--	(133)																																																				
Building Information Systems	LS	--	--	(500)																																																				
			Total	2,280																																																				
11. REQ: 10,681 SF ADQT: NONE SUBSTD: 3,228 SF																																																								
PROJECT: Construct an Airfield Operations Complex on Joint Base Lewis-McChord, Washington. (Current Mission)																																																								
REQUIREMENT: This project is required to support the stationing of a Combat Aviation Brigade (CAB) to Joint Base Lewis-McChord (JBLM). The CAB is located at Gray Army Airfield. The CAB has a requirement to support 84 aircraft and crew with unit-level maintenance, operational readiness and administrative space. The airfield operations facilities are required to support the CAB's operational flight requirements.																																																								
CURRENT SITUATION: Flight operations are allowed under a waiver agreement with the Federal Aviation Administration (FAA). The current Air Traffic Control Tower (ATCT) is considered to be an obstruction to flying since it is too close to the flight line. FAA's waiver is conditional upon the construction of a properly located, new tower. FAA has been advised that this project will correct the deficiency. The ATCT is 50 years old, deteriorating, and does not meet current standards. The ATCT is too small to house the air control avionics; they are located in a separate ground storage building. The current fire station is also old and inadequately sized for the current flight operations tempo. A two company fire station is required to replace the existing one company station. Additional fire vehicles are parked outside in the elements. Duties pertaining to flight control administration take place in detached, temporary facilities. Existing facilities are planned to be demolished as part of the project. Consolidation of tower personnel with administrative activities into a flight center will improve efficiency and aviation safety. There are no other facilities which can substitute for an ATCT, fire station and flight center.																																																								
IMPACT IF NOT PROVIDED: If this project is not provided then helicopter flight operations will be severely restricted. The reduced operability may compromise the CAB's ability to function																																																								

1. COMPONENT Army	FY 2014 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 14 APR 2017												
3. INSTALLATION AND LOCATION Joint Base Lewis-McChord Washington		4. PROJECT TITLE Airfield Operations Complex													
5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 133 10	7. PROJECT NUMBER 91576	8. PROJECT COST (\$000) 37,000												
<p>IMPACT IF NOT PROVIDED: (CONTINUED) as intended. Pilot and crew hours will fall below Army guidelines of hours needed to maintain flight status. FAA may revoke the waiver that is in place which would halt flight operations.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.</p> <table><tr><td>ESTIMATED CONSTRUCTION START:</td><td>MAY 2018</td><td>INDEX:</td><td>2895</td></tr><tr><td>ESTIMATED MIDPOINT OF CONSTRUCTION:</td><td>FEB 2019</td><td>INDEX:</td><td>2938</td></tr><tr><td>ESTIMATED CONSTRUCTION COMPLETION:</td><td>DEC 2019</td><td>INDEX:</td><td>2986</td></tr></table>				ESTIMATED CONSTRUCTION START:	MAY 2018	INDEX:	2895	ESTIMATED MIDPOINT OF CONSTRUCTION:	FEB 2019	INDEX:	2938	ESTIMATED CONSTRUCTION COMPLETION:	DEC 2019	INDEX:	2986
ESTIMATED CONSTRUCTION START:	MAY 2018	INDEX:	2895												
ESTIMATED MIDPOINT OF CONSTRUCTION:	FEB 2019	INDEX:	2938												
ESTIMATED CONSTRUCTION COMPLETION:	DEC 2019	INDEX:	2986												

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1. COMPONENT Army		FY 2015 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 14 APR 2017			
3. INSTALLATION AND LOCATION Fort Shafter Hawaii				4. PROJECT TITLE Command and Control Facility				
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 141 90	7. PROJECT NUMBER 76596		8. PROJECT COST (\$000) 370,000			
9. COST ESTIMATES								
ITEM					UM	QUANTITY	UNIT COST	COST(\$000)
PRIMARY FACILITY								286,328
Command & Control Fac (C2F)					SF	241,693	875.07	(211,497)
Parking Garage, Multistoried					SP	916	38,563	(35,324)
SCIF ODNI Compliance					LS	--	--	(5,244)
Substation					KVA	40,000	225.00	(9,000)
Redundant Power Generators					EA	6	2250000	(13,500)
Total from Continuation page(s)								(11,763)
SUPPORTING FACILITIES								44,247
Electric Service					LS	--	--	(5,498)
Water, Sewer, Gas					LS	--	--	(16,560)
Steam And/Or Chilled Water Distribution					LS	--	--	(3,203)
Paving, Walks, Curbs And Gutters					LS	--	--	(3,912)
Storm Drainage					LS	--	--	(1,965)
Site Imp(11,779) Demo()					LS	--	--	(11,779)
Info Systems					LS	--	--	(1,330)
ESTIMATED CONTRACT COST								330,575
CONTINGENCY (5.00%)								16,529
SUBTOTAL								347,104
SUPERVISION, INSPECTION & OVERHEAD (6.50%)								22,562
TOTAL REQUEST								369,666
TOTAL REQUEST (ROUNDED)								370,000
INSTALLED EQT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction								
<p>This is an incrementally funded project. Congress authorized the full amount of \$311.4M in FY2015. This project increases the authorization to \$370M to provide Redundant Power Generators, Cyber Security Measures and cost increases not anticipated since the initial congressional authorization. The first increment of \$85M was appropriated in FY2015 (PN70668). The second funding increment of \$40M was requested in FY2017 (PN76593). The third funding increment of \$90M is being requested in FY2018 (PN76596). The fourth funding increment of \$155M will be requested in FY2019 (PN76595). Construct Command & Control Facility C2F including administrative areas; secure operations building with Sensitive Compartmented Information Facility (SCIF), command group building, support operations building and a parking structure. Construct redundant power generators to provide backup power to the facility and its critical command and control systems in the event of the loss of commercial power. Construction is in compliance with Intelligence Community directives including cyber security measures. Construction also includes special foundations, building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, Energy Monitoring and Control Systems (EMCS) connection, and antiterrorism measures. Building information systems for this project are unique in nature and not included in the unit cost of the building. Increased building Antiterrorism/Force Protection (AT/FP) measures are included for the secure operations building. Supporting facilities include site development, site improvements, utilities and connections,</p>								

1. COMPONENT Army		FY 2015 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 14 APR 2017	
3. INSTALLATION AND LOCATION Fort Shafter Hawaii			4. PROJECT TITLE Command and Control Facility		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 141 90	7. PROJECT NUMBER 76596	8. PROJECT COST (\$000) 370,000	
9. COST ESTIMATES (CONTINUED)					
ITEM		UM	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)					
Building Information		LS	--	--	(6,900)
Cyber Security Measures		LS	--	--	(3,000)
Sustainability/Energy Measures		LS	--	--	(1,863)
				Total	11,763
lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by connection to the central utility plant built previously for this project. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Sustainability/Energy measures will be provided. Air Conditioning (Estimated 1200 Tons).					
11. REQ: 360,000 SF ADQT: 25,000 SF SUBSTD: 200,000 SF					
PROJECT: Construct a Command and Control Facility at Fort Shafter, Hawaii. (Current Mission)					
REQUIREMENT: The Department of the Army has directed that US Army Pacific (USARPAC) transform into an Operational, Expeditionary Army Service Component Command to support the Pacific Command Combatant Commander (COCOM). This Operational Headquarters project supports the increased scope for size and capability needed for the consolidated facility to support the command and control requirements of the Theater Army.					
CURRENT SITUATION: U.S. Army Pacific functional operations are located in over 10 separate WWII wooden buildings. Current command and control operation and supporting functions are conducted in separate structures that are inadequate and inefficient. Years of termite infestation have endangered the structural integrity of all the buildings. The water and sewer systems continue to suffer breakdowns and are continuously repaired. Existing facilities are aged, failing and do not provide the operational capability levels of electrical, mechanical, and communications infrastructure required by the Command. Existing facilities will be demolished under a separate project, while some may be retained due to their historical significance.					

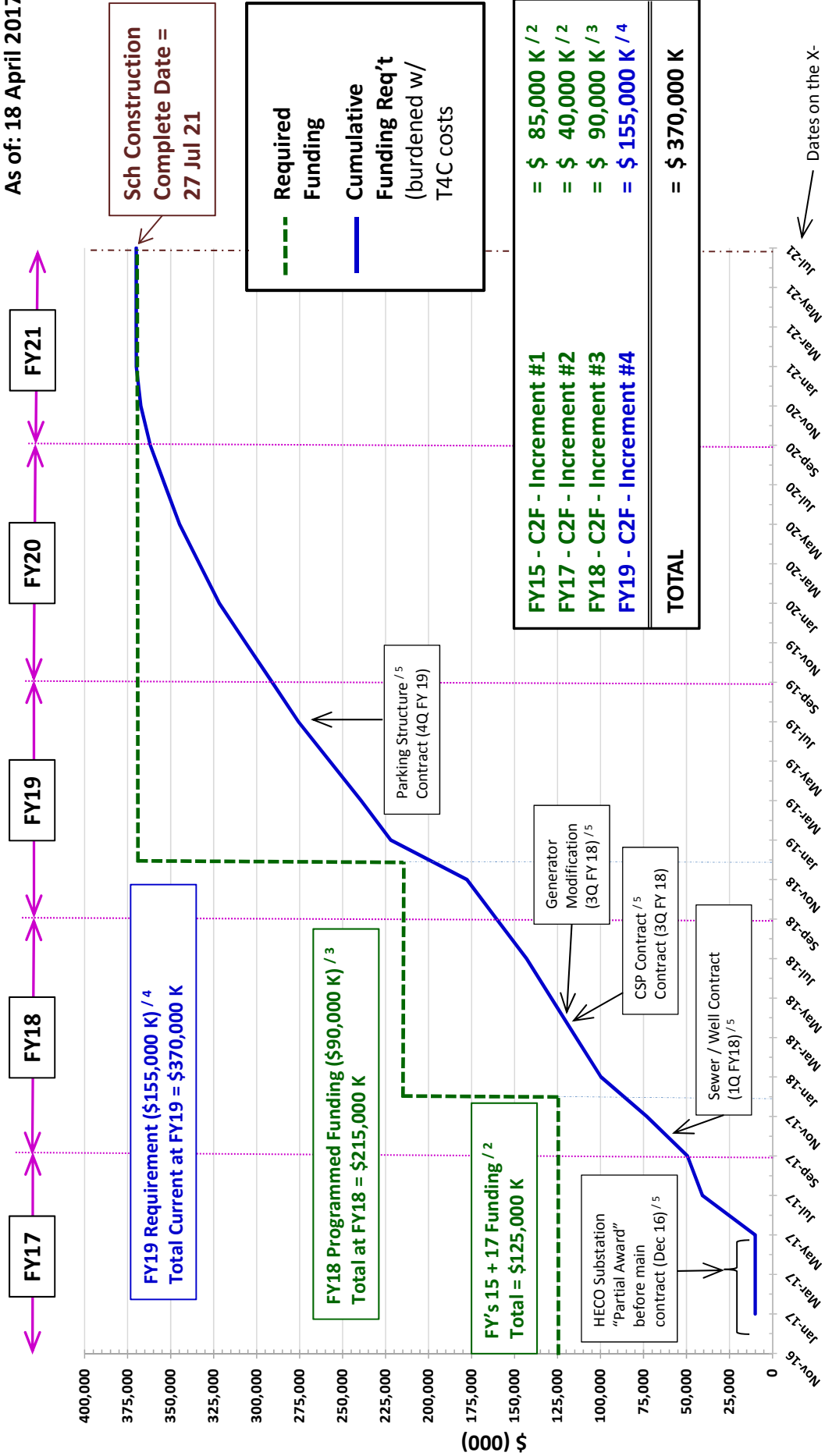
1. COMPONENT Army	FY 2015 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 14 APR 2017
3. INSTALLATION AND LOCATION Fort Shafter Hawaii		4. PROJECT TITLE Command and Control Facility		
5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 141 90	7. PROJECT NUMBER 76596	8. PROJECT COST (\$000) 370,000	
<p>IMPACT IF NOT PROVIDED: If this project is not provided USARPAC will continue to operate inefficiently in separate dilapidated buildings and be unable to fully realize the capabilities demanded by Army Transformation for the Army headquarters.</p> <p>ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.</p> <p>ESTIMATED CONSTRUCTION START: MAY 2017 INDEX: 2839 ESTIMATED MIDPOINT OF CONSTRUCTION: MAY 2020 INDEX: 3011 ESTIMATED CONSTRUCTION COMPLETION: MAY 2021 INDEX: 3072</p>				

Work In Place (WIP) Curve – Fort Shafter Command & Control Facility (C2F)



Full Authorization = \$370,000 K /¹ / Sch Award Date = 27 Jul 17

As of: 18 April 2017



Note 1: WIP is based on \$370,000 K Government Estimate at Final Design and includes request for additional scope, inflation, and revised cost factors (Special Considerations, FY18 President's Budget)

Note 2: FY17 total funding includes FY15 (\$85,000 K) and FY17 (\$40,000 K) appropriations

Note 3: FY18 President's Budget Request = \$90,000 K. FY18 total funding includes FY15, FY17 and FY18

Note 4: FY19 requirement = \$155,000 K for final increment

Note 5: These contracts must be awarded separately from the main contract – requires full funding available at time of award (per FAR requirements)

1. COMPONENT Army		Republic of Korea Funded Construction (ROKFC)			2. DATE 14 APR 2017	
3. INSTALLATION AND LOCATION Camp Humphreys Korea				4. PROJECT TITLE 8th Army Correctional Facility		
5. PROGRAM ELEMENT		6. CATEGORY CODE 730 15	7. PROJECT NUMBER 91565		8. PROJECT COST (\$000) 20,000	
9. COST ESTIMATES						
1000.0000 WON/US\$		ITEM	UM	QUANTITY	UNIT COST	COST(\$000)
PRIMARY FACILITY						13,525
Level 1 Correctional facility		SF	26,000	471.95		(12,271)
Guard House (Access Control Facility)		SF	150.69	956.34		(144)
Utility/Tool Storage Building		SF	400	182.00		(73)
Power Plant Building (for generator)		SF	301.39	133.41		(40)
Diesel Generator w/switchgear (300KW)		EA	1	302,400		(302)
Total from Continuation page(s)						(695)
SUPPORTING FACILITIES						4,783
Electric Service		LS	--	--		(422)
Water, Sewer, Gas		LS	--	--		(184)
Paving, Walks, Curbs And Gutters		LS	--	--		(637)
Storm Drainage		LS	--	--		(237)
Site Imp(2,884) Demo()		LS	--	--		(2,884)
Information Systems		LS	--	--		(278)
Antiterrorism Measures		LS	--	--		(141)
ESTIMATED CONTRACT COST						18,308
CONTINGENCY (5.00%)						915
SUBTOTAL						19,223
SUPERVISION, INSPECTION & OVERHEAD (6.50%)						1,249
TOTAL REQUEST						20,472
TOTAL REQUEST (ROUNDED)						20,000
INSTALLED EQT-OTHER APPROPRIATIONS						(715)
10. Description of Proposed Construction						
<p>Utilize host country funding to construct a Level 1 medium security joint correctional facility, a guardhouse for access control, a utility/tool storage building, and a power plant building to house a backup generator. The correctional, or confinement, facility shall be constructed in accordance with Army Regulation (AR) 190-47 and meet all applicable American Corrections Association (ACA) standards. The primary correctional facility will include two distinct areas with special construction requirements for each.</p> <p>The controlled area will includes 40 individual prisoner cells divided into five blocks; 14 male post-trial, 10 male pre-trial, four female post-trial, two female pre-trial, and eight segregation for both males and females and two segregation to meet Military Extraterritorial Jurisdiction Action (MEDJA) requirements. Each block will include one handicapped accessible cell, prisoner showers, a dayroom (sized accordingly), and a storage/janitor closet. Also included in the controlled area are a controlled access sally port entrance, indoor recreation area, medical exam area, classroom, library, counseling office, laundry area, barbershop, prisoner intake area, central master control center, watch commander's office, and a dining facility (DFAC) with a full kitchen.</p> <p>The male and female segregation cells require sight and sound separation. Area outside the controlled area will include management and administrative office</p>						

1. COMPONENT Army	Republic of Korea Funded Construction (ROKFC)	2. DATE 14 APR 2017
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3. INSTALLATION AND LOCATION Camp Humphreys Korea	4. PROJECT TITLE 8th Army Correctional Facility
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5. PROGRAM ELEMENT	6. CATEGORY CODE 730 15	7. PROJECT NUMBER 91565	8. PROJECT COST (\$000) 20,000
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9. COST ESTIMATES (CONTINUED)

ITEM	UM	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)				
First Floor Structural Slab	SF	26,135	10.68	(279)
Pile Foundation	LF	3,806	74.07	(282)
Building Information Systems	LS	--	--	(134)
			Total	695

space, records storage, mail room, large multipurpose room to be used for visitation and religious services, interview rooms, personnel storage area, male/female visitor latrine, male/female staff latrines, main control with sally port, hazardous material (HAZMAT) room, supply room, staff classroom, janitor space, mechanical room, IM/server room, and communication room. A loading dock shall be provided with access to both the DFAC and supply room. The utility/tool storage building and power plant building with generator shall be located outside the perimeter fence of the main correctional facility. All facilities shall meet accessibility requirements for Americans with Disabilities Standards. The facility will include structural slabs, pile foundations, information systems, fire protection and alarm systems, and Energy Monitoring Control Systems (EMCS) connection. Closed Circuit TV (CCTV) will be provided per regulations and standards from other appropriations.

Supporting facilities include site development; and connections; security lighting; paving, walks, curbs and gutters, government owned vehicle (GOV) and privately owned vehicle (POV) parking; storm drainage; information systems; dumpster pad w/screening; an exterior fuel-oil tank; landscaping and signage. An outdoor recreation area will be provided within the perimeter fence. The correctional facility will be surrounded by a single 12 ft. high fence system with three foot top guard/overhand. Electrical utilities will include N+1 redundancy.

Demolition and disposal is not required for this project.

11. REQ:	25,295 SF	ADQT:	NONE	SUBSTD:	15,016 SF
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PROJECT:

Construct a level 1 medium security joint correctional facility, a guard house for access control, a utility/tool storage building, and a power plant building to house a backup generator. (Current Mission)

REQUIREMENT:

This project is required to provide the single joint correctional service capability for the US military population in South Korea. The mission of the 8th Army Confinement Facility is to provide theater-level pretrial and short-term post-trial confinement capabilities to United States Forces Korea. Based on Army Corrections Command (ACC) analysis, a facility with a capacity of 38 inmates is

1. COMPONENT Army	Republic of Korea Funded Construction (ROKFC)			2. DATE 14 APR 2017
3. INSTALLATION AND LOCATION Camp Humphreys Korea			4. PROJECT TITLE 8th Army Correctional Facility	
5. PROGRAM ELEMENT	6. CATEGORY CODE 730 15	7. PROJECT NUMBER 91565	8. PROJECT COST (\$000) 20,000	
<p>REQUIREMENT: (CONTINUED) required to safely and securely execute this mission.</p> <p>CURRENT SITUATION: The current correctional facility, completed in 1975, fails to meet the minimum standards for conducting current operations (AT/FP standards, Unified Construction Criteria (UFC) construction requirements, Army Regulations (AR 190-47) Compliance, and Security standards); which all culminate in a facility that fails to meet ACA accreditation standards/requirements and poses a security risk to the USAG Humphreys community.</p> <p>The current location of the EUSA Correctional Facility violates AR 190-47 and does not have the required standoff and isolation/separation from community facilities and infrastructure as required by this regulation. The current expansion of USAG Humphreys has created an encroachment of new facilities not consistent with correctional best practices in accordance with AR 190-4 7 Chapter 9-4 para C; which outlines the considerations for correctional facility construction locations. The current facility is situated in close proximity to new family housing, schools and a child development center. The current population of the facility is nine prisoners, with a majority being confined for sexual assault related offenses. The barracks adjacent to the facility are close enough that a dangerous object (knives, rocks, etc.) could easily be thrown into the correctional facility compound from the upper floors. This creates an increased risk to the prisoners, correctional facility cadre, and the USAG Humphreys community.</p> <p>The existing facility was constructed as semi-permanent construction per the real property records at USAG Humphreys. According to DA Pam 420-1-2, such construction is designed to have a life expectancy of less than 25 years. The existing facilities are beyond their constructed lifespan. Although improvements have been made to the physical facility, the current structure continues to pose potential safety hazards, such as exposed wires, inadequate electrical outlets and exposed plumbing throughout the building. The current facilities were converted for use as a correctional facility from general purpose administrative and warehouse space.</p> <p>The current facility does not meet construction standards for high security facilities/correctional facilities, space allocations for prisoners, Army regulation required prisoner operational/segregation space, natural lighting requirements in the segregation block or AR/UFC Construction Criteria for safety/engineering requirements.</p> <p>The current facilities have many confined and blind-spots which create risks for the staff when moving prisoners. The current facilities degrade the garrison's ability to meet Executive Order, DoD, and ASA (IE&E) requirements for energy and water security/efficiency.</p> <p>Due to the age and general deterioration of this facility, it is deemed not cost</p>				

1. COMPONENT Army	Republic of Korea Funded Construction (ROKFC)			2. DATE 14 APR 2017
3. INSTALLATION AND LOCATION Camp Humphreys Korea		4. PROJECT TITLE 8th Army Correctional Facility		
5. PROGRAM ELEMENT	6. CATEGORY CODE 730 15	7. PROJECT NUMBER 91565	8. PROJECT COST (\$000) 20,000	

CURRENT SITUATION: (CONTINUED)

effective for renovation or addition. The estimated total cost to renovate the existing facilities to an Installation Status Report (ISR) rating of green is \$2,953,937, which exceeds the maximum allowed renovation costs. Per Army regulation, renovation costs shall not exceed 50 percent of the plant replacement value (PRV) of a facility. The total PRV for the existing facility is \$4,382,264. Currently, there are no other existing utilities or infrastructure on USAG Humphreys capable of meeting the requirements for an ACA accredited confinement facility and comply with AR 190-47.

IMPACT IF NOT PROVIDED:

This project is needed immediately. If this project is not provided, the 8th Army Confinement Facility cannot meet its mission requirement to provide a safe and secure correctional facility and prisoner services to the command, which will place the community at risk and negatively impact international relations between the US and the Republic of Korea (ROK). The existing facility will continue to be noncompliant with AR 190-47 and ACA standards.

ADDITIONAL:

- A. **JOINT USE CERTIFICATE:** The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. The facility will be available for use by other components.
- B. **PHYSICAL SECURITY:** This project has been coordinated with the installation physical security plan and includes all physical security measures.
- C. **SUSTAINABLE DESIGN AND DEVELOPMENT (SDD):** Sustainable principles shall be integrated into the design, development, and construction of this project and it will achieve a minimum of LEED Silver in accordance with the current US Army Sustainable Design and Development Policy and other applicable laws and Executive Orders. All equipment going into this facility must be Energy Star rated or on the Federal Energy Management Program (FEMP) approved list. Strict adherence to the USAG Humphreys Installation Design is required.
- D. **ANTITERRORISM/FORCE PROTECTION:** All of the 21 Building Standards for Antiterrorism/Force Protections (AT/FP) will apply to this project including a Mass Notification System, and site measures, which are outlined in UFC 4-010-01, dated 9 February 2012. All facilities will meet current UFC 4-010-01 standards for buildings and site. Such additional AT/FP site features will include concrete pop-up bollards and barriers. Major AT/FP building features will include design for progressive collapse and blast resistant windows.
- F. **HOST NATION:** This project is located on an enduring installation which will be retained by the United States Forces Korea (USFK) for the foreseeable future.
- G. **Alternative methods of meeting the requirements have been explored during the project development. This project is the only feasible option to meet this requirement.**
- H. **Facilities will be designed for a minimum life of 50 years. Energy efficiencies will meet, on average, ASHRAE 189.1 standards through improved building envelope and integrated building systems performance.**

1. COMPONENT		2. DATE	
Army		14 APR 2017	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
Camp Humphreys Korea		8th Army Correctional Facility	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
	730 15	91565	20,000
<p>ADDITIONAL: (CONTINUED)</p> <p>I. Comprehensive interior design package for the AE to complete as required by UFC 3-120-10.</p> <p>J. These buildings and structures, including buildings and structures leased to provide transitional spaces are exempt from all provisions of these standards during the life of the construction or renovation contract for which the transitional buildings and structures are being provided, but no longer than five years.</p> <p>K. Connection for underground utilities is required between the facility and the utility corridor.</p> <p>L. No portion of this facility is intended for Republic of Korea personnel exclusive or primary use.</p> <p>M. The host nation will fund Kitchen Equipment with an estimated cost \$1,034,000.</p> <p>ESTIMATED CONSTRUCTION START: APR 2018 INDEX: 2890</p> <p>ESTIMATED MIDPOINT OF CONSTRUCTION: APR 2019 INDEX: 2947</p> <p>ESTIMATED CONSTRUCTION COMPLETION: APR 2020 INDEX: 3006</p>			

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Alabama	86816	Fort Rucker (IMCOM) Training Support Facility	38,000	38,000	C	3 5
		Subtotal Fort Rucker Part I	\$ 38,000	38,000		
		* TOTAL MCA FOR Alabama	\$ 38,000	38,000		

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1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 24 APR 2017		
3. INSTALLATION AND LOCATION Fort Rucker Alabama			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 0.79			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016		1062	1416	2359	2095	589	2	141	85	6168	13,917
B. END FY 2022		1013	1417	2125	2043	575	19	142	90	6265	13,689
7. INVENTORY DATA (\$000)											
A. TOTAL AREA.....		25,436 ha		(62,854 AC)							
B. INVENTORY TOTAL AS OF 05 OCT 2016.....							3,367,145				
C. AUTHORIZATION NOT YET IN INVENTORY.....							160,783				
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....							38,000				
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....							0				
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0				
G. REMAINING DEFICIENCY.....							0				
H. GRAND TOTAL.....							3,565,928				
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE	PROJECT TITLE	SCOPE/UM			(\$000)		START	COMPLETE			
14129	Training Support Facility	1.00/EA(1.00/EA)			38,000		04/2017	04/2018			
						TOTAL		38,000			
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE						(\$000)				
A. INCLUDED IN THE FY 2019 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): N/A											
10. MISSION OR MAJOR FUNCTIONS:											
Provides facilities and support for the Army Aviation Center and School whose mission is to provide individual pilot training for all fixed wing and rotary wing aircraft and advanced doctrines and techniques.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
						(\$000)					
A. AIR POLLUTION							0				
B. WATER POLLUTION							0				
C. OCCUPATIONAL SAFETY AND HEALTH							0				

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Rucker Alabama				4. PROJECT TITLE Training Support Facility		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 14129	7. PROJECT NUMBER 86816		8. PROJECT COST (\$000) Approp 38,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						29,340
14129 Training Support Facility		EA	1 --		27296559	(27,297)
00000 Cyber Security Measures		LS	--		--	(750)
Sustainability/Energy Measures		LS	--		--	(546)
Antiterrorism Measures		LS	--		--	(546)
Building Information Systems		LS	--		--	(201)
SUPPORTING FACILITIES						4,513
Electric Service		LS	--		--	(631)
Water, Sewer, Gas		LS	--		--	(607)
Steam/Chilled Water Distribution		LS	--		--	(918)
Paving, Walks, Curbs And Gutters		LS	--		--	(363)
Storm Drainage		LS	--		--	(741)
Site Imp(774) Demo(379)		LS	--		--	(1,153)
Information Systems		LS	--		--	(80)
Antiterrorism Measures		LS	--		--	(20)
ESTIMATED CONTRACT COST						33,853
CONTINGENCY (5.00%)						1,693
SUBTOTAL						35,546
SUPV, INSP & OVERHEAD (5.70%)						2,026
TOTAL REQUEST						37,572
TOTAL REQUEST (ROUNDED)						38,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a Training Support Facility (TSF). Primary facilities include a standard design high-bay, climate controlled equipment building, classrooms, and related building support spaces that include antiterrorism measures, Energy Monitor and Control System (EMCS) Connection, Intrusion Detection System installation and building information systems. Heating and Air conditioning will be provided by connection to a Central Energy Plant. Building information systems for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include electrical, gas, water and sewer, communication, exterior lighting, storm drainage, fire protection, walks, curbs and gutters, parking, site improvements and information systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for persons with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Demolish 2 buildings at Fort Rucker, AL (Total 1,801 m2/19,385 SF). Air Conditioning (Estimated 879 kW/250 Tons).						
11. REQ: 20,240 m2		ADQT: 7,626 m2		SUBSTD: 1,801 m2		
PROJECT: Construct a Training Support Facility at Fort Rucker, Alabama. (Current Mission)						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Rucker Alabama	4. PROJECT TITLE Training Support Facility
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 14129	7. PROJECT NUMBER 86816	8. PROJECT COST (\$000) Approp 38,000
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REQUIREMENT: This project is required to provide training for Aviation students via lecture, practical application, and direct contact with historical Aviation assets (rotary and fixed wing aircraft with supporting equipment). The facility directly supports Soldier training to meet the Program of Instruction (POI) and related instructional requirements at the U.S. Army Aviation Center of Excellence. This project provides indoor, environmentally controlled training and storage space for decommissioned and historic military aircraft, weapons and other artifacts.

CURRENT SITUATION: There are no existing facilities at Fort Rucker to support this requirement. Historic training materiel is housed temporarily in various facilities scattered throughout the installation in a variety of inadequate buildings, most of which have limited environmental control and student access. Additionally, not adequately housing the historical training materials accelerates their irreversible deterioration, increases preservation and stabilization costs, and requires recurring cyclical mitigation on these artifacts.

IMPACT IF NOT PROVIDED: If this project is not provided, Aviation Soldiers stationed at the U.S. Army Aviation Center of Excellent, Fort Rucker cannot train to approved Army standards. Training aids consisting of historic materiel will continue to deteriorate at an accelerated rate. They will not be maintained or preserved in accordance with regulation and statute.

ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. Mission requirements, operational considerations, and location are incompatible with use by other components. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	APR 2017
(b) Percent Complete as of January 2017.....	0.00
(c) Date 35% Designed.....	OCT 2017
(d) Date Design Complete.....	APR 2018
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Rucker Alabama	4. PROJECT TITLE Training Support Facility
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 14129	7. PROJECT NUMBER 86816	8. PROJECT COST (\$000) Approp 38,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(a) Standard or Definitive Design:	YES	
(b) Where Design Was Most Recently Used:	Fort Sill	
(c) Percentage of Design utilizing Standard Design ...		75
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):		(\$000)
(a) Production of Plans and Specifications.....		2,234
(b) All Other Design Costs.....		736
(c) Total Design Cost.....		2,970
(d) Contract.....		1,980
(e) In-house.....		990
(4) Construction Contract Award.....		OCT 2018
(5) Construction Start.....		DEC 2018
(6) Construction Completion.....		DEC 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

Installation Engineer
Phone Number: 334-348-2665

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----	NEW/ CURRENT MISSION	PAGE -----
Arizona	77102	Davis-Monthan AFB (TRADOC) General Instruction Building	22,000	22,000	C	11
		Subtotal Davis-Monthan AFB Part I	\$ 22,000	22,000		
	90351	Fort Huachuca (IMCOM) Ground Transport Equipment Building	30,000	30,000	C	15 17
		Subtotal Fort Huachuca Part I	\$ 30,000	30,000		
		* TOTAL MCA FOR Arizona	\$ 52,000	52,000		

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Davis-Monthan AFB Arizona				4. PROJECT TITLE General Instruction Building		
5. PROGRAM ELEMENT 33025A (MIP)		6. CATEGORY CODE 17120	7. PROJECT NUMBER 77102		8. PROJECT COST (\$000) Approp 22,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						16,190
17120 General Instruction Building		m2 (SF)	5,227 (56,267)		2,884	(15,074)
17139 Covered Training Area		m2 (SF)	37.16 (400)		1,738	(65)
00000 Cyber Security Measures		LS	--		--	(750)
Sustainability/Energy Measures		LS	--		--	(301)
<u>SUPPORTING FACILITIES</u>						3,804
Electric Service		LS	--		--	(246)
Water, Sewer, Gas		LS	--		--	(227)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,561)
Storm Drainage		LS	--		--	(347)
Site Imp(648) Demo()		LS	--		--	(648)
Information Systems		LS	--		--	(775)
ESTIMATED CONTRACT COST						19,994
CONTINGENCY (5.00%)						1,000
SUBTOTAL						20,994
SUPV, INSP & OVERHEAD (5.70%)						1,197
TOTAL REQUEST						22,191
TOTAL REQUEST (ROUNDED)						22,000
INSTALLED EQT-OTHER APPROP						(3,043)
10. Description of Proposed Construction Construct a standard design General Instruction Building (GIB) to include classrooms, conference rooms, training space, instructor offices, supply rooms, team rooms for training, administrative space, elevator, building information systems, and covered training area. Energy Monitoring Control Systems (EMCS) connections, Intrusion Detection System (IDS) installation, fire protection and alarm systems will be provided. Supporting facilities include utilities, information systems, paving, parking, sidewalks, curbs and gutters, storm drainage to include low impact development measures, landscaping, access roads, site improvements, and Antiterrorism/Force Protection measures. Heating and cooling will be provided by self-contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Air Conditioning (Estimated 661 kW/188 Tons).						
11. REQ: 5,229 m2		ADQT: NONE		SUBSTD: 1,605 m2		
PROJECT: Construct a General Instruction Building (GIB) at Davis-Monthan Air Force Base (DMAFB), Arizona. (Current Mission)						
REQUIREMENT: This project is required to support increased training requirements for						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Davis-Monthan AFB Arizona				4. PROJECT TITLE General Instruction Building		
5. PROGRAM ELEMENT 33025A (MIP)		6. CATEGORY CODE 17120	7. PROJECT NUMBER 77102		8. PROJECT COST (\$000) Approp 22,000	
<u>REQUIREMENT: (CONTINUED)</u>						
<p>the Defense Human Intelligence (HUMINT) Enterprise (DHE). This project locates a training site in close proximity to Fort Huachuca to provide Forward Operating Base (FOB) training conditions in a larger urban environment. Davis-Monthan Air Force Base (DMAFB) and the surrounding metropolitan area and greater Pima County AZ (population 1.1M) provide multiple realistic training environments (i.e. Urban, Suburban, Industrial, Commercial and Rural) that are necessary to satisfy critical training tasks with the ability to satisfy surge capability. Student throughput for the HUMINT Training-Joint Center of Excellence (HT-JCOE) has steadily increased to satisfy training requirements for all Military Departments and the Defense Intelligence Agency. The HT-JCOE provides advanced professional HUMINT training to develop, sustain, and improve warfighter readiness in support of current and emerging HUMINT requirements to all services of the Department of Defense at Fort Huachuca as well as a small satellite facility on DMAFB. This facility will allow the HT-JCOE to permanently relocate the Defense Advanced Tradecraft Course (DATC) and Source Operations Course (SOC) to a setting that meets standards and provides a municipality with adequate size and population for Field Training Exercises (FTX). Construction of the new facilities allows HT-JCOE to comply with current cyber security requirements, to consolidate all Military Source Operations (MSO) training at one location eliminating split based training, to reduce the OPSEC concerns for the MSO staff and student population, to reduce annual training costs, and most importantly, to enhance the effectiveness of training for students.</p>						
<p><u>CURRENT SITUATION:</u> Fort Huachuca's location provides a setting that meets the training requirements for some environments of MSO training (i.e. Suburban, Rural). The current operational training environment of the nearby community, Sierra Vista, AZ is saturated because numerous Counter Intelligence and HUMINT field training exercises are conducted in the same operation area, which also create Operations Security (OPSEC) concerns. Due to OPSEC concerns, in addition to an oversaturated training area, MSO cadre and students must commute between Fort Huachuca and Tucson multiple times a week (3-hour round trip). The current facilities occupied on Fort Huachuca are temporary relocatable buildings which are not in compliance with current cyber security requirements to protect and defend DoD information and information technology (IT). To meet the highest priority advanced HUMINT training requirements of the Defense HUMINT Enterprise, HT-JCOE occupies facilities (18KSF) at DMAFB which are less than a third of needed space. The occupancy of these Air Force real property facilities is based on a temporary agreement with the Air Force, and is currently on the Air Force demolition list. Loss of the use of facilities at DMAFB would severely impact the Defense HUMINT Enterprises' clandestine collection capability due to the lack of MSO training facilities.</p>						
<p><u>IMPACT IF NOT PROVIDED:</u> The HT-JCOE is the only DoD activity responsible for the certification of DHE HUMINT personnel to adhere to core common tradecraft standards as established by the National HUMINT Manager (NHM). The DoD and Department of Army's clandestine collection capability in support of full spectrum operations would be severely degraded. Failure to provide this project will result in a 100 percent loss of the MSO training space for SOC and DATC, ultimately creating a capability gap for the DHE. The Army, as the largest consumer of graduates from both the SOC and the DATC courses, would be the most severely impacted by disruption in training throughput. The inability to expand and support existing worldwide missions will significantly affect the Defense HUMINT Enterprise's ability to rapidly and effectively intervene in contingency situations in response to the nation's Homeland Defense efforts.</p>						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Davis-Monthan AFB Arizona	4. PROJECT TITLE General Instruction Building
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5. PROGRAM ELEMENT 33025A (MIP)	6. CATEGORY CODE 17120	7. PROJECT NUMBER 77102	8. PROJECT COST (\$000) Approp 22,000
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ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	JAN 2016
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Presidio of Monterey	
(c) Percentage of Design utilizing Standard Design ...	95

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):

	(\$000)
(a) Production of Plans and Specifications.....	1,228
(b) All Other Design Costs.....	662
(c) Total Design Cost.....	1,890
(d) Contract.....	1,512
(e) In-house.....	378

(4) Construction Contract Award..... FEB 2018

(5) Construction Start..... APR 2018

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Davis-Monthan AFB Arizona	4. PROJECT TITLE General Instruction Building
--	--

5. PROGRAM ELEMENT 33025A (MIP)	6. CATEGORY CODE 17120	7. PROJECT NUMBER 77102	8. PROJECT COST (\$000) Approp 22,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(6) Construction Completion..... APR 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Uninterrupted Power Supply	OPA	2019	42
CCTV End User Equipment	OPA	2018	100
ICIDS/IDS End User Equipment	OPA	2018	300
Access Control End User Equipm	OPA	2018	100
Info Sys - ISC	OPA	2019	253
Info Sys - PROP	OPA	2019	2,248
		Total	<u>3,043</u>

Installation Engineer

Phone Number: 520-228-3401

1. COMPONENT ARMY	FY 2018 MILITARY CONSTRUCTION PROGRAM								2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Huachuca Arizona			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 1.07		
6. PERSONNEL STRENGTH:	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016	551	1949	3260	697	2894	8	677	1503	7613	19,152
B. END FY 2022	541	1958	2873	664	2425	28	677	1503	7298	17,967
7. INVENTORY DATA (\$000)										
A. TOTAL AREA..... 41,066 ha (101,475 AC)										
B. INVENTORY TOTAL AS OF 05 OCT 2016.....								3,057,581		
C. AUTHORIZATION NOT YET IN INVENTORY.....								240,649		
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....								30,000		
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....								0		
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....								0		
G. REMAINING DEFICIENCY.....								1,070,940		
H. GRAND TOTAL.....								4,399,170		
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:										
CAT							COST		DESIGN STATUS	
CODE		PROJECT TITLE			SCOPE/UM		(\$000)	START	COMPLETE	
31410		Ground Transport Equipment Building			35,290.00/SF(3278.55/m2)		30,000	04/2017	01/2018	
TOTAL							30,000			
9. FUTURE PROJECT APPROPRIATIONS:										
CATEGORY							COST			
CODE		PROJECT TITLE			(\$000)					
A. INCLUDED IN THE FY 2019 PROGRAM: NONE										
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE										
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A			
10. MISSION OR MAJOR FUNCTIONS:										
The current mission of Fort Huachuca is to provide logistical, administrative, legal, financial, supply, and community service support to tenant organizations including an Army Major Field Command (US Army Information Systems Command, USAISC), an USAISC Major Subcommand Headquarter element (Information Systems Engineering Command), 11th Signal Brigade, an Army Major Class II Activity (US Army Electronic Proving Ground), a Major TRADOC Activity (Army Intelligence Center and School), several Department of Defense Activities to include the Joint Test Element of the Joint Tactical Command, Control and Communications Agency, area AMC and FORSCOM Activities, and approximately 20 other tenant elements.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:										
							(\$000)			
A. AIR POLLUTION							0			
B. WATER POLLUTION							0			
C. OCCUPATIONAL SAFETY AND HEALTH							0			

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Huachuca Arizona				4. PROJECT TITLE Ground Transport Equipment Building		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 31410	7. PROJECT NUMBER 90351		8. PROJECT COST (\$000) Approp 30,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						22,287
31410 Ground Transport Equip Bldg		m2 (SF)	3,279 (35,290)		3,836	(12,575)
85210 Organizational Vehicle Parking		m2 (SY)	53,730 (64,261)		107.11	(5,755)
44224 Organizational Storage Building		m2 (SF)	557.42 (6,000)		1,528	(852)
21470 POL Storage Building		m2 (SF)	66.89 (720)		1,944	(130)
21470 Hazardous Waste Storage Bldg		m2 (SF)	66.89 (720)		1,958	(131)
Total from Continuation page(s)						(2,844)
SUPPORTING FACILITIES						4,293
Electric Service		LS	--		--	(406)
Water, Sewer, Gas		LS	--		--	(360)
Paving, Walks, Curbs And Gutters		LS	--		--	(167)
Storm Drainage		LS	--		--	(737)
Site Imp(1,791) Demo(429)		LS	--		--	(2,220)
Information Systems		LS	--		--	(218)
Antiterrorism Measures		LS	--		--	(185)
ESTIMATED CONTRACT COST						26,580
CONTINGENCY (5.00%)						1,329
SUBTOTAL						27,909
SUPV, INSP & OVERHEAD (5.70%)						1,591
TOTAL REQUEST						29,500
TOTAL REQUEST (ROUNDED)						30,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a Ground Transport Equipment Building Complex. Project includes a vehicle maintenance shop (ground transport equipment building), organizational storage building, organizational vehicle parking, vehicle wash platform, vehicle loading dock, petroleum, oils and lubricants (POL) storage, and other hazardous waste/material storage. The vehicle maintenance facility will include mechanical and electrical rooms, telecommunications, HVAC, fire detection and sprinkler suppression systems, building information systems, intrusion detection system (IDS) installation, integrated energy, monitoring and control system (EMCS) connected to the base monitoring systems, and the installation of fire alarm systems. Supporting facilities will include connection to all utilities, lighting, paving, parking areas, sidewalks, curbs and gutters, rainwater harvesting systems, and signage. Heating and air conditioning will be provided by self-contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided that include enhanced, photovoltaic energy features. Air Conditioning (Estimated 60 tons). Demolish 3 buildings at Fort Huachuca, AZ (Total 936 m2/10,072 SF).						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Huachuca Arizona				4. PROJECT TITLE Ground Transport Equipment Building		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 31410	7. PROJECT NUMBER 90351		8. PROJECT COST (\$000) Approp 30,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)						
14963 Wash Platform, Installation		EA	3 --		189,228	(568)
14970 Vehicle Loading Dock		m2 (SF)	90.30 (972)		1,773	(160)
00000 Cyber Security Measures		LS	--		--	(750)
Sustainability/Energy Measures		LS	--		--	(1,311)
Building Information Systems		LS	--		--	(55)
					Total	2,844
11. REQ: 3,279 m2		ADQT: NONE		SUBSTD: 2,295 m2		
PROJECT: Construct a Ground Transport Equipment Building at Fort Huachuca, Arizona. (Current Mission)						
REQUIREMENT: This project is required to provide modern facilities and platforms for the maintenance, testing, analysis, and storage of Command, Control, Communications, Computer and Intelligence Interoperability (C4I) systems; Signal Intelligence, and Electronic Combat (EC)/Electronic Warfare (EW) equipment. This project is required to promote a healthier, safer work environment, and to provide facilities and realistic battlefield environment (RBE) to support the Army and Joint-Service material acquisitions programs. This construction will address security, space, energy efficiency and infrastructure deficiencies.						
CURRENT SITUATION: The current facilities, vehicle parking, and staging areas are undersized and inadequate in support of the organization's current maintenance and testing requirements. The facilities do not meet the current mandatory criteria specified in the Army Standard for vehicle testing and maintenance Facilities. The primary vehicle maintenance facilities date back to the 1930's and 1940's and have surpassed their estimated life expectancy. The facilities violate current Antiterrorism/Force protection (AT/FP) standards. Existing utility systems (water, sewer, electric and gas) require replacement. There are no other suitable buildings on the installation available in support of this mission.						
IMPACT IF NOT PROVIDED: If this project is not provided, personnel will continue to work in substandard and unsafe facilities. Continued facility maintenance and repair will be required. Existing facility conditions will continue to hamper the organization's ability to perform their current operational maintenance and testing missions and schedules, and will not provide the required platforms in support of new technologies. The motorpool facilities do not comply with current life, safety building codes and quality of life standards. Current HVAC, fire suppression, the existing AT/FP and infrastructure deficiencies jeopardize personnel health, security and safety. The facilities will continue to be non-energy efficient. The Base Operations budget will continue to suffer from the extra expense to maintain buildings already well beyond their estimated life expectancy and from attempting to retrofit old, substandard facilities to meet increased environmental compliance standards.						
ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Huachuca Arizona	4. PROJECT TITLE Ground Transport Equipment Building
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 31410	7. PROJECT NUMBER 90351	8. PROJECT COST (\$000) Approp 30,000
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ADDITIONAL: (CONTINUED)

have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- | | |
|--|-----------------|
| (a) Date Design Started..... | <u>APR 2017</u> |
| (b) Percent Complete as of January 2017..... | <u>0.00</u> |
| (c) Date 35% Designed..... | <u>JUL 2017</u> |
| (d) Date Design Complete..... | <u>JAN 2018</u> |
| (e) Parametric Cost Estimating Used to Develop Costs.. | <u>NO</u> |
| (f) Type of Design Contract: Design-bid-build | |
| (g) An energy study and life cycle cost analysis will be documented during the final design. | |

(2) Basis:

- (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):

(\$000)

- | | |
|---|--------------|
| (a) Production of Plans and Specifications..... | <u>1,800</u> |
| (b) All Other Design Costs..... | <u>228</u> |
| (c) Total Design Cost..... | <u>2,028</u> |
| (d) Contract..... | <u>1,622</u> |
| (e) In-house..... | <u>406</u> |

(4) Construction Contract Award..... MAR 2018

(5) Construction Start..... JUN 2018

(6) Construction Completion..... JUN 2020

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Huachuca Arizona	4. PROJECT TITLE Ground Transport Equipment Building
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 31410	7. PROJECT NUMBER 90351	8. PROJECT COST (\$000) Approp 30,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer
Phone Number:

520-533-5125

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE		INSTALLATION (COMMAND)		NEW/		
-----	PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT	PAGE
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	
	-----	-----	-----	-----	-----	-----
California		Fort Irwin (IMCOM)				23
	91552	Land Acquisition	3,000	3,000	C	25
		Subtotal Fort Irwin Part I	----- \$ 3,000	----- 3,000		
		* TOTAL MCA FOR California	\$ 3,000	3,000		

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1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 24 APR 2017		
3. INSTALLATION AND LOCATION Fort Irwin California			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 1.26			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016		819	3762	995	0	0	0	1762	4111	3372	14,821
B. END FY 2022		750	3548	990	0	0	0	1762	4111	3524	14,685
7. INVENTORY DATA (\$000)											
A. TOTAL AREA.....		258,433 ha		(638,599 AC)							
B. INVENTORY TOTAL AS OF 05 OCT 2016.....							3,808,483				
C. AUTHORIZATION NOT YET IN INVENTORY.....							516,910				
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....							3,000				
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....							29,000				
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0				
G. REMAINING DEFICIENCY.....							0				
H. GRAND TOTAL.....							4,357,393				
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE	PROJECT TITLE	SCOPE/UM			(\$000)		START		COMPLETE		
91210	Land Acquisition				3,000						
					TOTAL		3,000				
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE				(\$000)						
A. INCLUDED IN THE FY 2019 PROGRAM:											
17868	Multipurpose Range Complex				29,000						
					TOTAL		29,000				
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): N/A											
10. MISSION OR MAJOR FUNCTIONS:											
The mission of the National Training Center and Fort Irwin is to provide tough, realistic, combined arms and services joint training for brigades and regiments in a mid - to high - intensity environment, while retaining the training feedback and analysis focus at battalion/task force level. It also provides a data source for training, doctrine, organization, and equipment improvements.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
					(\$000)						
A. AIR POLLUTION					0						
B. WATER POLLUTION					0						
C. OCCUPATIONAL SAFETY AND HEALTH					0						

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Irwin California				4. PROJECT TITLE Land Acquisition		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 91110	7. PROJECT NUMBER 91552		8. PROJECT COST (\$000) Approp 3,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						3,000
91110 Land Acquisitions		LS	--		--	(3,000)
SUPPORTING FACILITIES						
ESTIMATED CONTRACT COST						3,000
CONTINGENCY (0.00%)						0
SUBTOTAL						3,000
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						3,000
TOTAL REQUEST (ROUNDED)						3,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Acquire ownership of additional training land that is contiguous to the current Army owned and controlled land in the maneuver area at the National Training Center (NTC), Fort Irwin. This project will complete land acquisitions from prior year authorizations with the purchase of multiple remaining parcels of land and allow the completion of required real property actions associated with Army ownership. Acreage to be acquired may result in existing real property relocation, disposal or decommissioning.						
11. REQ: 1 LS ADQT: NONE SUBSTD: NONE PROJECT: Acquire remaining parcels of privately held land and complete administrative actions from prior phases at, Fort Irwin, California. (Current Mission) REQUIREMENT: The NTC requires 552,000 acres of training area to conduct multi-echelon maneuver training for Brigade Combat Teams. There are remaining parcels of privately owned land within the training area. It is essential to purchase these parcels in order to provide the Army full control and use of the entire training area. CURRENT SITUATION: Currently the Army has exercised exclusive dominion and control of the parcels since the fence for the western expansion area was constructed. IMPACT IF NOT PROVIDED: If this project is not provided, the remaining parcels of privately owned land will remain within the training area. Easements across the existing military property will be required to insure access by the private land owners. The lack of Army ownership and control will become an impediment to training in the near future (e.g., any endangered species mitigation required for these remaining parcels cannot						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Irwin California	4. PROJECT TITLE Land Acquisition
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 91110	7. PROJECT NUMBER 91552	8. PROJECT COST (\$000) Approp 3,000
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IMPACT IF NOT PROVIDED: (CONTINUED)
 commence until the Army owns the land).
ADDITIONAL: This land acquisition is in accordance with Section 323, Consolidated Appropriations Act of 2001 (Public Law 106-554) which required the expansion of the NTC in a manner fully compliant with the Endangered Species Act of 1973 and all other applicable laws. Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and no physical security measures are required. No antiterrorism protection measures are required. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Date Design Started.....
- (b) Percent Complete as of January 2017..... 0.00
- (c) Date 35% Designed.....
- (d) Date Design Complete.....
- (e) Parametric Cost Estimating Used to Develop Costs.. NO
- (f) Type of Design Contract: Other

Land Acquisition

(2) Basis:

- (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

- (a) Production of Plans and Specifications..... 0
- (b) All Other Design Costs..... 70
- (c) Total Design Cost..... 70
- (d) Contract..... 0
- (e) In-house..... 70

(4) Construction Contract Award..... JUL 2018

(5) Construction Start..... SEP 2018

(6) Construction Completion..... SEP 2019

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Irwin California	4. PROJECT TITLE Land Acquisition
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 91110	7. PROJECT NUMBER 91552	8. PROJECT COST (\$000) Approp 3,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NONE			

Installation Engineer
Phone Number:

760-380-3547

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE		INSTALLATION (COMMAND)		NEW/		
-----	PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT	PAGE
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	
	-----	-----	-----	-----	-----	-----
Colorado		Fort Carson (IMCOM)				31
	73375	Ammunition Supply Point	21,000	21,000	C	33
	81283	Battlefield Weather Facility	8,300	8,300	C	37
			-----	-----		
		Subtotal Fort Carson Part I	\$ 29,300	29,300		
		* TOTAL MCA FOR Colorado	\$ 29,300	29,300		

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1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 24 APR 2017			
3. INSTALLATION AND LOCATION Fort Carson Colorado			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 1.11				
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL		
A. AS OF 31 OCT 2016		3081	21063	2924	8	188	0	222	952	3603	32,041	
B. END FY 2022		3136	21004	2850	18	218	4	194	885	3433	31,742	
7. INVENTORY DATA (\$000)												
A. TOTAL AREA..... 151,075 ha (373,313 AC)												
B. INVENTORY TOTAL AS OF 30 JUN 2016..... 7,007,276												
C. AUTHORIZATION NOT YET IN INVENTORY..... 2,081,215												
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM..... 29,300												
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM..... 123,000												
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY)..... 0												
G. REMAINING DEFICIENCY..... 1,158,874												
H. GRAND TOTAL..... 10,399,665												
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:												
CAT							COST	DESIGN STATUS				
CODE	PROJECT TITLE	SCOPE/UM				(\$000)	START	COMPLETE				
21670	Ammunition Supply Point	24,000.00/SF(2229.67/m2)				21,000	07/2016	10/2017				
14117	Battlefield Weather Facility	10,700.00/SF(994.06/m2)				8,300	01/2016	10/2017				
TOTAL						29,300						
9. FUTURE PROJECT APPROPRIATIONS:												
CATEGORY							COST					
CODE	PROJECT TITLE					(\$000)						
A. INCLUDED IN THE FY 2019 PROGRAM:												
21410	Vehicle Maintenance Shop					66,000						
14185	Company Operations Facility					57,000						
TOTAL						123,000						
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE												
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): N/A												
10. MISSION OR MAJOR FUNCTIONS:												
Provide the nation's Armed Forces with a sustaining base and a power projection platform in support of National Security Objectives. Major functions include: support and enable operational and training requirements of Maneuver units, support basic and advanced skill training for new Soldiers; exercise command and control; provide for public safety and security; provide sound stewardship of installation resources and the environment; provide services/programs to enable readiness; execute community and family support services and programs; and maintain and improve installation infrastructure.												
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:												
(\$000)												
A. AIR POLLUTION 0												
B. WATER POLLUTION 0												
C. OCCUPATIONAL SAFETY AND HEALTH 0												

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Carson Colorado				4. PROJECT TITLE Ammunition Supply Point		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 21670	7. PROJECT NUMBER 73375		8. PROJECT COST (\$000) Approp 21,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						15,666
21670 Ammo Inspect Repair Repack Fac		m2 (SF)	2,230 (24,000)		2,572	(5,734)
42231 Ammo Storehouse		m2 (SF)	1,486 (16,000)		2,694	(4,005)
42280 Igloo Storage		m2 (SF)	917.88 (9,880)		3,850	(3,534)
45210 Open Storage Area		m2 (SY)	10,034 (12,000)		26.91	(270)
93410 Special Foundations		LS	--		--	(1,096)
Total from Continuation page(s)						(1,027)
<u>SUPPORTING FACILITIES</u>						3,669
Electric Service		LS	--		--	(482)
Water, Sewer, Gas		LS	--		--	(1,015)
Paving, Walks, Curbs And Gutters		LS	--		--	(599)
Storm Drainage		LS	--		--	(99)
Site Imp(984) Demo(213)		LS	--		--	(1,197)
Information Systems		LS	--		--	(276)
Other		LS	--		--	(1)
ESTIMATED CONTRACT COST						19,334
CONTINGENCY (5.00%)						967
SUBTOTAL						20,301
SUPV, INSP & OVERHEAD (5.70%)						1,157
TOTAL REQUEST						21,458
TOTAL REQUEST (ROUNDED)						21,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct an Ammunition Inspection Repair and Repacking facility in accordance with Department of Defense Explosive Safety Board (DDESB) designs and criteria. Primary facilities include ammunition storehouse, igloo-style storage, open storage area, and special foundations. The facilities also include building information systems, fire protection and alarm systems, Intrusion Detection Systems (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection. Building information systems for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include site development, earthen barriers, utilities and connections, lighting, paving, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self-contained units. Enhanced AT/FP measures are included due to the munitions mission above the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Demolish 4 buildings at Fort Carson, CO (Total 691 m2/7,443 SF). Air Conditioning (Estimated 46 kW/13 Tons).						
11. REQ: 2,230 m2		ADQT: NONE		SUBSTD: 380 m2		

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Carson Colorado				4. PROJECT TITLE Ammunition Supply Point		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 21670	7. PROJECT NUMBER 73375		8. PROJECT COST (\$000) Approp 21,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)						
00000 Cyber Security Measures		LS	--	--	(750)	
Sustainability/Energy Measures		LS	--	--	(201)	
Building Information Systems		LS	--	--	(76)	
					Total 1,027	
PROJECT: Construct an Ammunition Supply Point (ASP) at Fort Carson, Colorado. (Current Mission)						
REQUIREMENT: Fort Carson's Ammunition Supply Point (ASP) supports all Services, the National Guard, and the Army Reserve, totaling more than 200 customer organizations on the installation. The Fort Carson ASP currently stores ammunition required to support training ammunition loads for consecutive Brigade Combat Team (BCT)/Combat Aviation Brigade (CAB) level gunnery events and all other monthly training requirements for three BCTs, one CAB, an Army Special Forces Group, and numerous combat support and echelon above brigade units. The ASP also stores deployment basic and special operational ammunition loads for these units. With the recent stationing of a CAB to Fort Carson, and units returning from deployment, additional ammunition storage capacity is required to meet customer needs.						
CURRENT SITUATION: Currently the ASP utilizes 20 standard ammunition magazines. The existing ASP is the only one in the state and is currently at 92% capacity with Brigades deployed. The current magazines cannot support the addition of the CAB, and do not allow the flexibility to accommodate different ammunition compatibility groups and contingency missions. The CAB generates a requirement of an additional 399 pallets of ammunition, resulting in a pallet storage deficit of 218 pallets. The existing Ammunition Inspection, Repair, and Repacking facility is located a significant distance from the ASP (approximately 5 miles). This separation causes operators to transport ammunition locally through the Butts Army Airfield (BAAF) area, impacting mission operations and creating unnecessary safety risks associated with multiple movements of hazardous cargo. In addition, the existing facility is undersized, deteriorated, poorly configured for mission operations and located within a floodplain. The work areas lack proper safety separation and protection, putting all building inhabitants at risk for injury or death in the event of an accidental discharge of live ammunition. The existing Ammunition Storehouse functions are currently being conducted in existing facilities that are also inadequate and undersized for customer needs and are also located at a third separate site distant from the ASP resulting in the additional overhead and risk of multiple local ammunition hauls.						
IMPACT IF NOT PROVIDED: If this project is not provided the ASP will not be able to accommodate all the ammunition needs of its customers and will continue to operate out of inadequate facilities for ammunition operations. If additional ammunition magazines are not provided, Fort Carson would be forced to utilize the Pueblo Army Depot as an interim solution, which is located approximately 60 miles away. This situation would create transportation safety risks resulting from transporting various types of live ammunition along public highways. The long travel distances would also impact training schedules by reducing the actual time spent conducting live fire training exercises.						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Carson Colorado	4. PROJECT TITLE Ammunition Supply Point
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 21670	7. PROJECT NUMBER 73375	8. PROJECT COST (\$000) Approp 21,000
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ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	JUL 2016
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	1,024
(b) All Other Design Costs.....	551
(c) Total Design Cost.....	1,575
(d) Contract.....	1,260
(e) In-house.....	315

(4) Construction Contract Award..... FEB 2018

(5) Construction Start..... APR 2018

(6) Construction Completion..... DEC 2019

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Carson Colorado	4. PROJECT TITLE Ammunition Supply Point
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 21670	7. PROJECT NUMBER 73375	8. PROJECT COST (\$000) Approp 21,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer
Phone Number:

719-526-4265

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Carson Colorado				4. PROJECT TITLE Battlefield Weather Facility		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 14117	7. PROJECT NUMBER 81283		8. PROJECT COST (\$000) Approp 8,300	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						4,474
14117 Battlefield Weather Facility		m2 (SF)	994.06 (10,700)		3,156	(3,137)
85210 Organizational Vehicle Parking		m2 (SY)	1,227 (1,467)		97.47	(120)
14179 Overhead Protection/Canopy		m2 (SF)	9.29 (100)		1,070	(10)
00000 Special Foundations		m2 (SF)	703.55 (7,573)		244.66	(172)
00000 Cyber Security Measures		LS	--		--	(750)
Total from Continuation page(s)						(285)
SUPPORTING FACILITIES						2,978
Electric Service		LS	--		--	(251)
Water, Sewer, Gas		LS	--		--	(289)
Paving, Walks, Curbs And Gutters		LS	--		--	(790)
Storm Drainage		LS	--		--	(200)
Site Imp(1,131) Demo(178)		LS	--		--	(1,309)
Information Systems		LS	--		--	(139)
ESTIMATED CONTRACT COST						7,452
CONTINGENCY (5.00%)						373
SUBTOTAL						7,825
SUPV, INSP & OVERHEAD (5.70%)						446
TOTAL REQUEST						8,271
TOTAL REQUEST (ROUNDED)						8,300
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a small detachment standard design Battlefield Weather Support Facility (BFWS) to include flight administration and support areas, equipment support bay with arms vault and storage, readiness/personnel support bay, covered hardstand, training area, organizational vehicle parking with apron, and special foundations. Work also includes building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection. Building information systems and antiterrorism measures for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by connection to the Central Energy Plant. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Demolish 1 building at Fort Carson, CO (Total 993 m2/10,686 SF). Air Conditioning (Estimated 130 kW/37 Tons).						
11. REQ:		994 m2	ADQT:	NONE	SUBSTD:	NONE

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Carson Colorado				4. PROJECT TITLE Battlefield Weather Facility		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 14117	7. PROJECT NUMBER 81283		8. PROJECT COST (\$000) Approp 8,300	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)						
Sustainability/Energy Measures		LS	--	--	(75)	
Antiterrorism Measures		LS	--	--	(75)	
Building Information Systems		LS	--	--	(135)	
				Total	285	
PROJECT: Construct a Battlefield Weather Support Facility at Fort Carson, Colorado. (Current Mission)						
REQUIREMENT: This facility is required to support a U.S. Air Force Weather Squadron's Detachment at Fort Carson. This Detachment requires adequate facilities to provide direct support to the 4th Infantry Division, Combat Aviation Brigade (CAB), the 10th Special Forces Group (Airborne), and other tenant units at Fort Carson.						
CURRENT SITUATION: Currently the Air Force Detachment operates out of three facilities, the Airfield Control Tower, Building 9601, and Building 1104. Building 9601 is being demolished since it is within the footprint of FY14, PN 77405 Aircraft Maintenance Hangar. Building 1104 is in the cantonment area but 7 miles away from the airfield. The Detachment's occupants in Building 9601 will be moved in the spring of 2017 to the Control Tower and Building 1104. The sequential movements of the personnel and increased disruptions to the Detachment's operations has and will continue to worsen already overcrowded conditions.						
IMPACT IF NOT PROVIDED: If the facility is not provided, personnel and equipment will have to be positioned in multiple facilities, and support to daily installation and airfield operations will be severely degraded. Garrison and tactical support to the Division and the 10th Special Forces Group (Airborne) will effectively cease due to the lack of administrative, storage and training facilities. Units deploying to Joint Readiness Training Center, National Training Center, and Overseas contingency operations will have to arrange decentralized support through other installations due to the lack of available training and facilities. The lack of dedicated space for weather teams will significantly impact the overall mission of Fort Carson and the 10th Special Forces Group (Airborne).						
ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Carson Colorado	4. PROJECT TITLE Battlefield Weather Facility
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 14117	7. PROJECT NUMBER 81283	8. PROJECT COST (\$000) Approp 8,300
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:	
(a) Date Design Started.....	JAN 2016
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	
(2) Basis:	
(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Joint Base Lewis-McChord	
(c) Percentage of Design utilizing Standard Design ...	80
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	263
(b) All Other Design Costs.....	142
(c) Total Design Cost.....	405
(d) Contract.....	324
(e) In-house.....	81
(4) Construction Contract Award.....	APR 2018
(5) Construction Start.....	MAY 2018
(6) Construction Completion.....	NOV 2019

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Carson Colorado	4. PROJECT TITLE Battlefield Weather Facility
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 14117	7. PROJECT NUMBER 81283	8. PROJECT COST (\$000) Approp 8,300
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Installation Engineer
Phone Number:

719-526-4265

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----	NEW/ CURRENT MISSION	PAGE -----
Florida	65699	Eglin AFB (USASOC) Multipurpose Range Complex	18,000	18,000	C	43
		Subtotal Eglin AFB Part I	\$ 18,000	18,000		
		* TOTAL MCA FOR Florida	\$ 18,000	18,000		

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Eglin AFB Florida				4. PROJECT TITLE Multipurpose Range Complex		
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 17864	7. PROJECT NUMBER 65699		8. PROJECT COST (\$000) Approp 18,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						13,905
17864 Multipurpose Trng Range (MPTR)		LN	1 --		12469367	(12,469)
17870 Range Opns Control Area (ROCA)		EA	1 --		231,101	(231)
17971 Control Tower		EA	1 --		220,566	(221)
17122 Operations/Storage Building		m2 (SF)	74.32 (800)		2,156	(160)
17139 Covered Mess		m2 (SF)	74.32 (800)		1,338	(99)
Total from Continuation page(s)						(725)
SUPPORTING FACILITIES						2,421
Electric Service		LS	--		--	(670)
Water, Sewer, Gas		LS	--		--	(46)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,114)
Storm Drainage		LS	--		--	(65)
Information Systems		LS	--		--	(499)
LID Measures		LS	--		--	(27)
ESTIMATED CONTRACT COST						16,326
CONTINGENCY (5.00%)						816
SUBTOTAL						17,142
SUPV, INSP & OVERHEAD (5.70%)						977
TOTAL REQUEST						18,119
TOTAL REQUEST (ROUNDED)						18,000
INSTALLED EQT-OTHER APPROP						(1,958)
10. Description of Proposed Construction Construct a Multipurpose Range Complex (MPRC). Primary facilities include the Multipurpose Training Range (MPTR), downrange target systems, downrange electrical, instrumentation, lightning protection, and the standard small arms range operations and control area (ROCA) facilities. Project includes: range operations control tower, operations and storage building, classroom facility, field latrine, bleacher enclosure, covered mess, after action review building, and ammunition breakdown building. Supporting facilities include: electrical services, communications, onsite well (potable water), and an access road and bridge. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Sustainability/Energy measures will be provided. Air Conditioning (Estimated 70 kW/20 Tons).						
11. REQ: 1 EA		ADQT: NONE		SUBSTD: NONE		
PROJECT: Construct a Multipurpose Range Complex (MPRC) at Eglin Air Force Base, Florida. (Current Mission)						
REQUIREMENT: The Multipurpose Training Complex is required to provide realistic and challenging, concurrent training in rural area operations for the Army's 7th Special Forces Group (SFG). It permits mounted and dismounted operations in a rural village environment, configured to support simultaneous, integrated operations on multiple live-fire objectives for more robust situational development in the individual Soldier and for						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Eglin AFB Florida			4. PROJECT TITLE Multipurpose Range Complex			
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 17864	7. PROJECT NUMBER 65699		8. PROJECT COST (\$000) Approp 18,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)						
17122 Ammunition Breakdown Bldg		m2 (SF)	17.19 (185)		4,497	(77)
17123 After Action Review Building		m2 (SF)	98.85 (1,064)		2,112	(209)
73075 Field Latrine		m2 (SF)	30.66 (330)		3,212	(98)
75061 Bleacher Enclosure		EA	1 --		93,337	(93)
17123 Classroom Building		EA	1 --		236,000	(236)
Sustainability/Energy Measures		LS	--		--	(12)
					Total	725
REQUIREMENT: (CONTINUED)						
collaborative development of unit skills.						
CURRENT SITUATION: Currently there are no training facilities to support the multifaceted requirements of diverse rural area operations for realistic training under battlefield conditions. The 7th SFG conducts mounted or dismounted maneuver live-fire exercises by setting up temporary, non-standard objectives on the edge of one of the impact areas at Eglin AFB or deploys to an alternate location to conduct the training.						
IMPACT IF NOT PROVIDED: If this project is not provided, the Soldiers of 7th SFG will not be able to fully exercise rural Special Forces combat procedures. The Soldiers and units will not receive complete and timely exposure to required training standards which will create an adverse impact on sustained combat proficiency.						
ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. No antiterrorism protection measures are required. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.						
12. SUPPLEMENTAL DATA:						
A. Estimated Design Data:						
(1) Status:						
(a) Date Design Started.....					MAR 2016	
(b) Percent Complete as of January 2017.....					35.00	
(c) Date 35% Designed.....					JAN 2017	
(d) Date Design Complete.....					JUN 2017	
(e) Parametric Cost Estimating Used to Develop Costs..					YES	

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Eglin AFB Florida	4. PROJECT TITLE Multipurpose Range Complex
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5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 17864	7. PROJECT NUMBER 65699	8. PROJECT COST (\$000) Approp 18,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

- (f) Type of Design Contract: Design-bid-build
- (g) An energy study and life cycle cost analysis will be documented during the final design.

(2) Basis:

- (a) Standard or Definitive Design: YES
- (b) Where Design Was Most Recently Used:
Joint Base Elmendorf-Richardson
- (c) Percentage of Design utilizing Standard Design ...

50

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):

(\$000)

(a) Production of Plans and Specifications.....	1,053
(b) All Other Design Costs.....	567
(c) Total Design Cost.....	1,620
(d) Contract.....	1,296
(e) In-house.....	324

(4) Construction Contract Award.....

JAN 2018

(5) Construction Start.....

MAR 2018

(6) Construction Completion.....

DEC 2019

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Target Equipment	OPA	2020	1,897
Info Sys - ISC	OPA	2019	61
		Total	1,958

Installation Engineer

Phone Number: 850-882-2223

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----	NEW/ CURRENT MISSION -----	PAGE -----
Georgia	80855	Fort Benning (IMCOM) Training Support Facility	28,000	28,000	C	49 51
		Subtotal Fort Benning Part I	\$ 28,000	28,000		
	70677	Fort Gordon (IMCOM) Access Control Point	33,000	33,000	C	55 57
	86479	Automation-Aided Instructional Building	18,500	18,500	N	61
		Subtotal Fort Gordon Part I	\$ 51,500	51,500		
		* TOTAL MCA FOR Georgia	\$ 79,500	79,500		

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1. COMPONENT ARMY	FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 24 APR 2017		
3. INSTALLATION AND LOCATION Fort Benning Georgia			4. COMMAND US Army Installation Management Command				5. AREA CONSTRUCTION COST INDEX 0.87			
6. PERSONNEL STRENGTH:	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016	1544	8587	3852	1831	15894	2	175	842	6033	38,760
B. END FY 2022	1537	8496	3640	1961	16119	2	175	842	4068	36,840
7. INVENTORY DATA (\$000)										
A. TOTAL AREA..... 74,630 ha (184,413 AC)										
B. INVENTORY TOTAL AS OF 30 JUN 2016..... 9,280,135										
C. AUTHORIZATION NOT YET IN INVENTORY..... 1,403,874										
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM..... 28,000										
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM..... 0										
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY)..... 0										
G. REMAINING DEFICIENCY..... 1,404,536										
H. GRAND TOTAL..... 12,116,545										
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:										
CAT							COST	DESIGN STATUS		
CODE	PROJECT TITLE			SCOPE/UM			(\$000)	START	COMPLETE	
14129	Training Support Facility			101,811.00/SF(9458.55/m2)			28,000	07/2016	12/2017	
TOTAL							28,000			
9. FUTURE PROJECT APPROPRIATIONS:										
CATEGORY							COST			
CODE	PROJECT TITLE			(\$000)						
A. INCLUDED IN THE FY 2019 PROGRAM: NONE										
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE										
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A			
10. MISSION OR MAJOR FUNCTIONS:										
Provide the nation with the world's best trained Infantry and Armor Soldiers and adaptive leaders imbued with the Warrior Ethos; provide training capabilities and a Power Projection Platform capable of deploying, redeploying, and resetting Soldiers, civilians, and units anywhere in the world on short notice; and define required capabilities for Infantry and Armor to meet the needs of the Future Force. Provide support for the US Army Maneuver Center of Excellence (MCoE), which includes the Infantry, Armor, and MCoE NCO Schools; for major combat and combat support forces; for Martin Army Hospital and medical clinics; for tenant and satellite activities and units, and for Reserve Components Training. Installation provides essential public safety and security services; sound stewardship of installation resources and the environment; services and programs to enable readiness; execute community and family support services and programs; and maintenance and improvements to the installation infrastructure.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:										
							(\$000)			
A. AIR POLLUTION							0			
B. WATER POLLUTION							0			
C. OCCUPATIONAL SAFETY AND HEALTH							0			

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Benning Georgia				4. PROJECT TITLE Training Support Facility		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 14129	7. PROJECT NUMBER 80855		8. PROJECT COST (\$000) Approp 28,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						21,075
14129 Training Support Facility		m2 (SF)	9,459 (101,811)		2,065	(19,534)
00000 Cyber Security Measures		LS	--		--	(750)
Sustainability/Energy Measures		LS	--		--	(397)
Building Information Systems		LS	--		--	(394)
SUPPORTING FACILITIES						4,278
Electric Service		LS	--		--	(816)
Water, Sewer, Gas		LS	--		--	(663)
Paving, Walks, Curbs And Gutters		LS	--		--	(761)
Storm Drainage		LS	--		--	(945)
Site Imp(739) Demo()		LS	--		--	(739)
Information Systems		LS	--		--	(354)
ESTIMATED CONTRACT COST						25,353
CONTINGENCY (5.00%)						1,268
SUBTOTAL						26,621
SUPV, INSP & OVERHEAD (5.70%)						1,517
TOTAL REQUEST						28,138
TOTAL REQUEST (ROUNDED)						28,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a Training Support Facility (TSF). Primary facilities include a standard design high-bay, climate controlled Vehicle Storage Building with related building support spaces that include antiterrorism measures, Energy Monitor and Control System (EMCS) connection, Intrusion Detection System (IDS) installation, and building information systems. Heating and air conditioning will be provided by a self-contained unit. Building information systems for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include electrical, gas, water and sewer, communications, exterior lighting, storm drainage, fencing, fire protection, walks, curbs and gutters, parking, site improvements, and information systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Air Conditioning (Estimated 1,319 kW/375 Tons).						
11. REQ: 18,194 m2		ADQT: 1,070 m2		SUBSTD: NONE		
PROJECT: Construct a Training Support Facility at Fort Benning, Georgia. (Current Mission)						
REQUIREMENT: This facility is required to house historical Armor, approximately 254						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Benning Georgia	4. PROJECT TITLE Training Support Facility
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 14129	7. PROJECT NUMBER 80855	8. PROJECT COST (\$000) Approp 28,000
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REQUIREMENT: (CONTINUED)

Military Vehicles, and Equipment for Soldier training to meet the Program of Instruction (POI) and instructional requirements associated with the U.S. Army Maneuver Center of Excellence. This project directly supports units providing indoor, environmentally controlled training/storage space for decommissioned, historic, military vehicles, weapons, and other artifacts.

CURRENT SITUATION: Fort Benning does not have a Training Support Facility available to house U.S. Army Maneuver Center of Excellence historic armor artifacts. Materiel is housed temporarily in various facilities and exposed yards scattered over the installation. By not adequately housing the training materiel (historic artifacts), increased deterioration occurs that requires recurring cyclical (typically 5 year) mitigation on these artifacts.

IMPACT IF NOT PROVIDED: If this project is not provided, Armor Soldiers stationed at Fort Benning will not train to approved Army standards and training aids (historic materiel) will continue to deteriorate at an accelerated rate and not be maintained or preserved in accordance with regulation and statute.

ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	JUL 2016
(b) Percent Complete as of January 2017.....	15.00
(c) Date 35% Designed.....	MAR 2017
(d) Date Design Complete.....	DEC 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	

(2) Basis:

(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Fort Sill	
(c) Percentage of Design utilizing Standard Design ...	50

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Benning Georgia	4. PROJECT TITLE Training Support Facility
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 14129	7. PROJECT NUMBER 80855	8. PROJECT COST (\$000) Approp 28,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	815
(b) All Other Design Costs.....	271
(c) Total Design Cost.....	1,086
(d) Contract.....	271
(e) In-house.....	815
(4) Construction Contract Award.....	MAR 2018
(5) Construction Start.....	MAY 2018
(6) Construction Completion.....	JUN 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

Installation Engineer
Phone Number:

706-545-2364

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1. COMPONENT ARMY	FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 24 APR 2017		
3. INSTALLATION AND LOCATION Fort Gordon Georgia			4. COMMAND US Army Installation Management Command				5. AREA CONSTRUCTION COST INDEX 0.86			
6. PERSONNEL STRENGTH:	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016	2081	5893	3337	823	4415	20	187	2915	5675	25,346
B. END FY 2022	2020	5554	3343	840	4531	7	187	2562	6139	25,183
7. INVENTORY DATA (\$000)										
A. TOTAL AREA..... 23,684 ha (58,524 AC)										
B. INVENTORY TOTAL AS OF 30 JUN 2016.....								4,422,140		
C. AUTHORIZATION NOT YET IN INVENTORY.....								436,997		
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....								51,500		
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....								90,000		
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....								256,000		
G. REMAINING DEFICIENCY.....								828,083		
H. GRAND TOTAL.....								6,084,720		
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:										
CAT							COST		DESIGN STATUS	
CODE	PROJECT TITLE			SCOPE/UM			(\$000)	START	COMPLETE	
14113	Access Control Point			1.00/EA(1.00/EA)			33,000	02/2016	10/2017	
	Automation-Aided Instructional									
17136	Building			28,789.00/SF(2674.58/m2)			18,500	01/2016	10/2017	
TOTAL							51,500			
9. FUTURE PROJECT APPROPRIATIONS:										
CATEGORY							COST			
CODE	PROJECT TITLE						(\$000)			
A. INCLUDED IN THE FY 2019 PROGRAM:										
17136	Cyber Instructional Fac and Network Ctr						90,000			
TOTAL							90,000			
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY):										
17136	Cyber Instructional Fac (Admin/Command)						90,000			
17136	Cyber Instructional Facility (Classrooms)						90,000			
17213	Certification and Simulations Center						76,000			
TOTAL							256,000			
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A			
10. MISSION OR MAJOR FUNCTIONS:										
Fort Gordon has numerous tenant units with diverse missions. The major tenant is the U.S. Army Signal Corps. Fort Gordon has the largest information technology and communications training school in the Armed Forces. It is also home to the U.S. Army Cyber Command, the Southeast (SE) Regional Medical Command, the SE Regional Veterinary Command, the SE Regional Dental Command, the 93rd Sig Bde, the Gordon Regional Security Operations Center - one of three Joint CONUS-based intelligence platforms, the 513th MI Bde - theater-level intelligence and security, and Reserve/National Guard units.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:										
							(\$000)			
A. AIR POLLUTION							0			
B. WATER POLLUTION							0			

1. COMPONENT ARMY	FY 2018 MILITARY CONSTRUCTION PROGRAM		2. DATE 24 APR 2017
3. INSTALLATION AND LOCATION Fort Gordon Georgia	4. COMMAND US Army Installation Management Command		5. AREA CONSTRUCTION COST INDEX 0.86
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUED) <div style="text-align: right;">(\$000)</div> C. OCCUPATIONAL SAFETY AND HEALTH 0			

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Gordon Georgia				4. PROJECT TITLE Access Control Point		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 14113	7. PROJECT NUMBER 70677		8. PROJECT COST (\$000) Approp 33,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						20,118
14113 Access Control Point (ACP)		EA	1 --		12914614	(12,915)
85110 Road Improvements		m2 (SY)	87,710 (104,900)		45.89	(4,025)
89230 Traffic Signals		EA	5 --		131,400	(657)
85120 Vehicle Bridge		m2 (SF)	1,783 (19,197)		691.58	(1,233)
81160 Backup Power Generator		EA	1 --		221,506	(222)
Total from Continuation page(s)						(1,066)
SUPPORTING FACILITIES						9,749
Electric Service		LS	--		--	(787)
Water, Sewer, Gas		LS	--		--	(1,621)
Paving, Walks, Curbs And Gutters		LS	--		--	(180)
Storm Drainage		LS	--		--	(1,529)
Site Imp(4,596) Demo(147)		LS	--		--	(4,743)
Information Systems		LS	--		--	(889)
ESTIMATED CONTRACT COST						29,867
CONTINGENCY (5.00%)						1,493
SUBTOTAL						31,360
SUPV, INSP & OVERHEAD (5.70%)						1,788
TOTAL REQUEST						33,148
TOTAL REQUEST (ROUNDED)						33,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a standard design Access Control Point (ACP). The ACP includes a combined Command and Control Center/Search Office, Visitor Control Center, gatehouse, inspection canopies, bidirectional Privately Owned Vehicle (POV) Search Canopy, Search Shelters, Guard Booths, covered ID Check Area, Overwatch Guard Booth, Truck Search Canopy, Truck Holding Area, roadways, parking, lighting, traffic control signals, and passive and active vehicle barriers with comprehensive control systems, backup power generator, building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring and Control System (EMCS) connection. Project will also provide road improvements to Gordon Highway including signalization, turn lanes, and an acceleration lane, a connector road from Gordon Highway to the ACP, an extension and upgrade of Range Road to 107th Avenue to include bridging over wetlands, and upgrades to 107th Avenue, and signalization of affected roads. Provide Uninterruptable Power System (UPS) and Electronic Security System (ESS) installations, Closed Circuit Television (CCTV) System installation, and Traffic Detection Systems. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self-contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Gordon Georgia				4. PROJECT TITLE Access Control Point		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 14113	7. PROJECT NUMBER 70677		8. PROJECT COST (\$000) Approp 33,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)						
00000 Cyber Security Measures		LS	--	--	(1,000)	
Sustainability/Energy Measures		LS	--	--	(66)	
					Total 1,066	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Demolish 2 buildings at Fort Gordon, GA (Total 427 m2/4,600 SF). Air Conditioning (Estimated 53 kW/15 Tons).						
11. REQ: 4 EA ADQT: 2 EA SUBSTD: 2 EA						
PROJECT: Construct an Access Control Point (ACP) at Fort Gordon, Georgia. (Current Mission)						
REQUIREMENT: This project is required to support the U.S. Army Cyber Command at Fort Gordon which will increase the current Fort Gordon installation population by 17 percent. It is required to replace substandard ACPs at Gates 2 and 3. A Comprehensive Traffic Engineering Analysis for Fort Gordon indicated a need for a primary ACP to be located on the western boundary of the installation capable of supporting a morning and afternoon peak load of 2,430 vehicles. The current load capacity of the 2 western ACPs at Fort Gordon is 1,324 vehicles during peak morning and afternoon periods. Improvements to Gordon Highway and upgrades to Range Road and 107th Avenue are required to meet the identified peak traffic loads.						
CURRENT SITUATION: Currently, access to Fort Gordon is through four ACPs. The Main Gate ACP is located on the east side of the installation, Gate 5 is located on the south side of the installation, and Gates 2 and 3 are located on the west side. Fort Gordon's access control points and roadways are rated "at risk." Gate 2 is used for privately owned vehicles (POV) and processes approximately 1,237 vehicles per hour at morning peak. The response zone has a two way left turn lane that is used as a reversible lane during morning and evening peak periods. During the morning peak, existing traffic queues back to the intersection of 19th Street and Gordon Highway. Drivers trying to enter the gate block the intersection when the signal changes. Within the past year, there has been a head-on collision within the reversible lane. Lack of signs for reversible lane operations is confusing and a safety hazard for drivers using Gate 2. Gate 3 is currently used for POV and commercial vehicles. There is no overwatch position. POV search is conducted in an open area adjacent to the ID check area. There is no Search Office, or Gate House. There are no medians. Gordon Highway currently does not have the turning lanes, acceleration lanes, or signalization to support the peak traffic loads. The current condition of Range Road and 107th Avenue will not support the traffic loads, vehicle speed, or vehicle type.						
IMPACT IF NOT PROVIDED: If this project is not provided, existing ACPs will continue to be insufficient to accommodate the projected U.S. Army CYBER growth and associated vehicle demand during the morning and afternoon peak hours. Vehicles in the queue at						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Gordon Georgia	4. PROJECT TITLE Access Control Point
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 14113	7. PROJECT NUMBER 70677	8. PROJECT COST (\$000) Approp 33,000
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IMPACT IF NOT PROVIDED: (CONTINUED)
these gates will further impact traffic on Gordon Highway creating an unsafe traffic situation. Interior traffic flow on Fort Gordon will continue to pose the potential for accidents and injuries to Soldiers and civilians. Failure to provide an ACP compliant with the current standards will continue to place installation personnel, visitors, and vendors at risk as well as possible injury, thus impacting the mission.
ADDITIONAL: The project will be designed to minimize adverse impact on the wetlands. Required assessments have been made for supporting facilities and the project is in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:	
(a) Date Design Started.....	FEB 2016
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	
(2) Basis:	
(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Military Ocean Terminal Concord	
(c) Percentage of Design utilizing Standard Design ...	90
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	1,697
(b) All Other Design Costs.....	913
(c) Total Design Cost.....	2,610

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Gordon Georgia	4. PROJECT TITLE Access Control Point
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 14113	7. PROJECT NUMBER 70677	8. PROJECT COST (\$000) Approp 33,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(d) Contract.....	2,088
(e) In-house.....	522
(4) Construction Contract Award.....	FEB 2018
(5) Construction Start.....	MAR 2018
(6) Construction Completion.....	MAR 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

Installation Engineer
Phone Number: 706-791-3225

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Gordon Georgia				4. PROJECT TITLE Automation-Aided Instructional Building		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 17136	7. PROJECT NUMBER 86479		8. PROJECT COST (\$000) Approp 18,500	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						14,725
17136 Automation-Aided Instr Building		m2 (SF)	2,675 (28,789)		4,494	(12,020)
00000 Cyber Security Measures		LS	--		--	(750)
81150 UPS Installation		EA	1 --		19,719	(20)
88040 Elect Sec System Installation		EA	1 --		262,654	(263)
Sustainability/Energy Measures		LS	--		--	(223)
Total from Continuation page(s)						(1,449)
SUPPORTING FACILITIES						2,153
Electric Service		LS	--		--	(61)
Water, Sewer, Gas		LS	--		--	(404)
Steam/Chilled Water Distribution		LS	--		--	(271)
Paving, Walks, Curbs And Gutters		LS	--		--	(511)
Storm Drainage		LS	--		--	(392)
Site Imp(307) Demo()		LS	--		--	(307)
Information Systems		LS	--		--	(183)
Antiterrorism Measures		LS	--		--	(24)
ESTIMATED CONTRACT COST						16,878
CONTINGENCY (5.00%)						844
SUBTOTAL						17,722
SUPV, INSP & OVERHEAD (5.70%)						1,010
TOTAL REQUEST						18,732
TOTAL REQUEST (ROUNDED)						18,500
INSTALLED EQT-OTHER APPROP						(16,395)
10. Description of Proposed Construction Convert an existing building to provide an Automation-Aided Instructional facility containing a Sensitive Compartmented Information Facility (SCIF) and classroom spaces. Primary facilities include the instructional building, cyber security measures, redundant electrical service, uninterruptable power system installation, antiterrorism/force protection measures, and building information systems. Building information systems for this facility are unique in nature and not included in the unit cost for the building. Construction is in compliance with intelligence directives. Supporting facilities include site development, site improvements, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by connection to the existing central energy plant. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Air Conditioning (Estimated 288 kW/82 Tons).						
11. REQ: 12,982 m2		ADQT: NONE		SUBSTD: 12,982 m2		

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Gordon Georgia	4. PROJECT TITLE Automation-Aided Instructional Building
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 17136	7. PROJECT NUMBER 86479	8. PROJECT COST (\$000) Approp 18,500
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9. COST ESTIMATES (CONTINUED)

ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Antiterrorism Measures	LS	--	--	(214)
Building Information Systems	LS	--	--	(1,235)
Total				1,449

PROJECT: Construct an Automation-Aided Instructional Building at Fort Gordon, Georgia.
(New Mission)

REQUIREMENT: This project is required to support the U.S. Army Cyber School at Fort Gordon. It will provide a SCIF and Automation-Aided Instructional facility to train Soldiers in a new military occupational specialty (MOS). The number of Soldiers serving in this MOS is expected to increase based on availability of training capacity. This renovation and modernization will provide SCIF space that will serve operational and instructional purposes. Integration of cyberspace operations, electronic warfare, cyber electromagnetic activity, and cyber-related signal intelligence will take place. Students will gain the capability to transfer operational cyber problems to a dedicated training space without relocating. Dual functionality allows cyber intelligence to remain secure. Laboratory rooms and rapidly reconfigurable classrooms will be provided. This training platform is the first of multiple projects to build the Cyber Center of Excellence (CYBERCOE) Campus. The CYBERCOE will train over 620 students and consolidate the diverse aspects of cyberspace operations.

CURRENT SITUATION: The Cyber School is a new mission assigned to Fort Gordon. Control operations and training currently take place in multiple, substandard facilities. The buildings used for cyber, signal, and electronic warfare were constructed over 40 years ago and require excessive maintenance. They have outdated heating, ventilating, air conditioning (HVAC) systems and lack adequate space to support future training loads. Existing floor plans cannot be used to support advances in technology and their resulting instructional changes. Three basement rooms have been certified as SCIF, having Top Secret/Sensitive Compartmented Information (TS/SCI) level assets, and must be retained. A certified SCIF with classrooms is located temporarily in a relocatable building. This relocatable building has a limited service life and has the additional shortcoming of no access to the Cyber Weapons Systems via the Operational Network and Data Center.

IMPACT IF NOT PROVIDED: If this project is not provided, the Cyber School will not be able to train to its future student load nor rapidly adjust to the cyber environment in the future. Failure to repurpose this building will negatively impact the CYBERCOE mission and defend against valid threats. Insufficient number of skilled cyber-warriors will be available to meet current and future strategic, operational, and tactical level mission demands. The nation's information, communication and critical infrastructure systems may remain vulnerable to the enemy.

ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. The

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Gordon Georgia	4. PROJECT TITLE Automation-Aided Instructional Building
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 17136	7. PROJECT NUMBER 86479	8. PROJECT COST (\$000) Approp 18,500
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ADDITIONAL: (CONTINUED)
Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	JAN 2016
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	1,024
(b) All Other Design Costs.....	551
(c) Total Design Cost.....	1,575
(d) Contract.....	1,260
(e) In-house.....	315

(4) Construction Contract Award..... FEB 2018

(5) Construction Start..... MAR 2018

(6) Construction Completion..... MAR 2020

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Gordon Georgia	4. PROJECT TITLE Automation-Aided Instructional Building
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 17136	7. PROJECT NUMBER 86479	8. PROJECT COST (\$000) Approp 18,500
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12. SUPPLEMENTAL DATA (CONTINUED..)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Equipment	OPA	2018	4,709
Duress Alarm	OPA	2018	4
Intrusion Detection System	OPA	2018	5
CCTV	OPA	2018	20
Uninterrupted Power Supply	OPA	2018	170
NSA Net 100 Seat Initial Fit-u	OPA	2018	1,497
WAN Out Piece	OPA	2018	349
Info Sys - ISC	OPA	2019	240
Info Sys - PROP	OPA	2019	9,401
		Total	<u>16,395</u>

Installation Engineer
Phone Number:

706-791-3225

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Hawaii	58857	Fort Shafter (IMCOM) Command and Control Facility, Incr 3	0	90,000	C	67 69
		Subtotal Fort Shafter Part I	\$ 0	90,000		
		* TOTAL MCA FOR Hawaii	\$ 0	90,000		

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1. COMPONENT ARMY	FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 24 APR 2017		
3. INSTALLATION AND LOCATION Fort Shafter Hawaii			4. COMMAND US Army Installation Management Command				5. AREA CONSTRUCTION COST INDEX 2.26			
6. PERSONNEL STRENGTH:	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 JUL 2016	2229	3488	3781	16	17	1	21	21	2828	12,402
B. END FY 2022	2288	3558	3104	16	15	1	21	21	2836	11,860
7. INVENTORY DATA (\$000)										
A. TOTAL AREA..... 768 ha (1,898 AC)										
B. INVENTORY TOTAL AS OF 30 JUN 2016..... 5,109,381										
C. AUTHORIZATION NOT YET IN INVENTORY..... 324,338										
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM..... 0										
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM..... 0										
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY)..... 0										
G. REMAINING DEFICIENCY..... 521,822										
H. GRAND TOTAL..... 5,955,541										
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:										
CAT COST DESIGN STATUS										
CODE PROJECT TITLE SCOPE/UM (\$000) START COMPLETE										
14190 Command and Control Facility, Incr 3 241,693.00/SF(22454.00/m2) 90,000 05/2012 10/2015										
TOTAL 90,000										
9. FUTURE PROJECT APPROPRIATIONS:										
CATEGORY COST										
CODE PROJECT TITLE (\$000)										
A. INCLUDED IN THE FY 2019 PROGRAM:										
14190 Command and Control Facility, Incr 4 96,400										
TOTAL 96,400										
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE										
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): N/A										
10. MISSION OR MAJOR FUNCTIONS:										
Fort Shafter garrisons the Headquarters for United States Army Pacific Command and supporting organizations. It also provides on-post, Army Family Housing (RCI units) for approximately 560 families. Fort Shafter is also home of the 9th Regional Readiness Command (USAR) and Pacific Ocean Division (POD) of the US Army Corps of Engineers.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:										
(\$000)										
A. AIR POLLUTION 0										
B. WATER POLLUTION 0										
C. OCCUPATIONAL SAFETY AND HEALTH 0										

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Shafter Hawaii				4. PROJECT TITLE Command and Control Facility, Incr 3		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 14190	7. PROJECT NUMBER 58857		8. PROJECT COST (\$000) Approp 90,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						217,493
14190 Command & Control Fac (C2F)		m2 (SF)	22,454 (241,693)		6,978	(156,680)
85218 Parking Garage, Multistoried		ST	950 --		32,148	(30,541)
14190 SCIF ODNI Compliance		LS	--		--	(6,844)
81320 Substation, Load Uninter Switch		kVA(KVA)	40,000 (40,000)		219.00	(8,760)
Sustainability/Energy Measures		LS	--		--	(1,863)
Building Information Systems		LS	--		--	(12,805)
SUPPORTING FACILITIES						60,977
Electric Service		LS	--		--	(16,331)
Water, Sewer, Gas		LS	--		--	(6,977)
Steam/Chilled Water Distribution		LS	--		--	(2,245)
Paving, Walks, Curbs And Gutters		LS	--		--	(10,258)
Storm Drainage		LS	--		--	(2,322)
Site Imp(21,242) Demo()		LS	--		--	(21,242)
Information Systems		LS	--		--	(389)
Antiterrorism Measures		LS	--		--	(79)
Info Systems		LS	--		--	(1,134)
ESTIMATED CONTRACT COST						278,470
CONTINGENCY (5.00%)						13,924
SUBTOTAL						292,394
SUPV, INSP & OVERHEAD (6.50%)						19,006
TOTAL REQUEST						311,400
TOTAL REQUEST (ROUNDED)						311,400
INSTALLED EQT-OTHER APPROP						(15,740)
10. Description of Proposed Construction This is an incrementally funded project. Congress authorized the full amount of \$311.4M in FY 2015. The first increment of \$85M was appropriated in FY 2015 (PN70668). The second funding increment of \$40M was requested in FY 2017 (PN76593). The third funding increment of \$90M is being requested in FY 2018 (PN58857). The fourth funding increment of \$96.4M will be requested in FY 2019 (PN76595). Construct a Command and Control Facility (C2F) Complex including administrative areas; secure operations building with Sensitive Compartmented Information Facility (SCIF), command group building, support operations building and a parking structure. Construction is in compliance with Intelligence directives. Construction also includes special foundations, building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, Energy Monitoring and Control Systems (EMCS) connection, and antiterrorism measures. Building information systems for this project are unique in nature and not included in the unit cost of the building. Increased building Antiterrorism/Force Protection (AT/FP) measures are included for the secure operations building. Supporting facilities include site development, site improvements, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by connection to the central utility plant built previously for this project. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Shafter Hawaii				4. PROJECT TITLE Command and Control Facility, Incr 3		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 14190	7. PROJECT NUMBER 58857		8. PROJECT COST (\$000) Approp 90,000	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Sustainability/Energy measures will be provided. Air Conditioning (Estimated 1,407 kW/400 Tons).						
11. REQ: 45,230 m2 ADQT: 11,861 m2 SUBSTD: 9,462 m2						
PROJECT: Construct a Command and Control Facility Complex at Fort Shafter, Hawaii. (Current Mission)						
REQUIREMENT: The Department of the Army has directed that US Army Pacific (USARPAC) transform into an Operational, Expeditionary Army Service Component Command to support the Pacific Command Combatant Commander (COCOM). This project supports the increased scope for size and operational capability needed for the Transformed Organization. This Operational Headquarters project is required to provide a consolidated facility to support the command and control requirements of the Theater Army.						
CURRENT SITUATION: U.S. Army Pacific functional operations are located in over 10 separate WWII wooden buildings. Current command and control operation and supporting functions are conducted in separate structures that are inadequate and inefficient. Years of termite infestation have endangered the structural integrity of all the buildings. The water and sewer systems continue to suffer breakdowns and are continuously repaired. Existing facilities are aged, failing and do not provide the operational capability levels of electrical, mechanical, and communications infrastructure required by the Command. Existing facilities will be demolished under a separate project, while some may be retained due to their historical significance.						
IMPACT IF NOT PROVIDED: If this project is not provided USARPAC will continue to operate inefficiently in separate dilapidated buildings and be unable to fully realize the capabilities demanded by Army Transformation for this Army headquarters.						
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. A parametric cost estimate based upon project engineering design was used to develop this budget estimate.						
		FY2015 (\$000)	FY2017 (\$000)	Requested FY2018 (\$000)		FYDP FY2019 (\$000)
Authorization		\$311,400	\$0	\$0		\$0
Authorization of Appropriation		\$85,000	\$40,000	\$90,000		\$96,400
Appropriation		\$85,000	\$40,000	\$90,000		\$96,400

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Shafter Hawaii	4. PROJECT TITLE Command and Control Facility, Incr 3
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 14190	7. PROJECT NUMBER 58857	8. PROJECT COST (\$000) Approp 90,000
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	MAY 2012
(b) Percent Complete as of January 2017.....	100.00
(c) Date 35% Designed.....	JAN 2015
(d) Date Design Complete.....	OCT 2015
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	

(2) Basis:

(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Fort Belvoir	
(c) Percentage of Design utilizing Standard Design ...	50

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	2,638
(b) All Other Design Costs.....	3,392
(c) Total Design Cost.....	6,030
(d) Contract.....	3,392
(e) In-house.....	2,638

(4) Construction Contract Award..... JUL 2017

(5) Construction Start..... SEP 2017

(6) Construction Completion..... JUL 2021

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
IDS/Advantor System	OPA	2020	3,142
CCTV System	OPA	2020	2,265
Access Control System	OPA	2020	5,749
Info Sys - ISC	OPA	2019	1,812
Info Sys - PROP	OPA	2019	2,772
		Total	15,740

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017
3. INSTALLATION AND LOCATION Fort Shafter Hawaii			4. PROJECT TITLE Command and Control Facility, Incr 3	
5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 14190	7. PROJECT NUMBER 58857	8. PROJECT COST (\$000) Approp 90,000	

Installation Engineer
Phone Number:

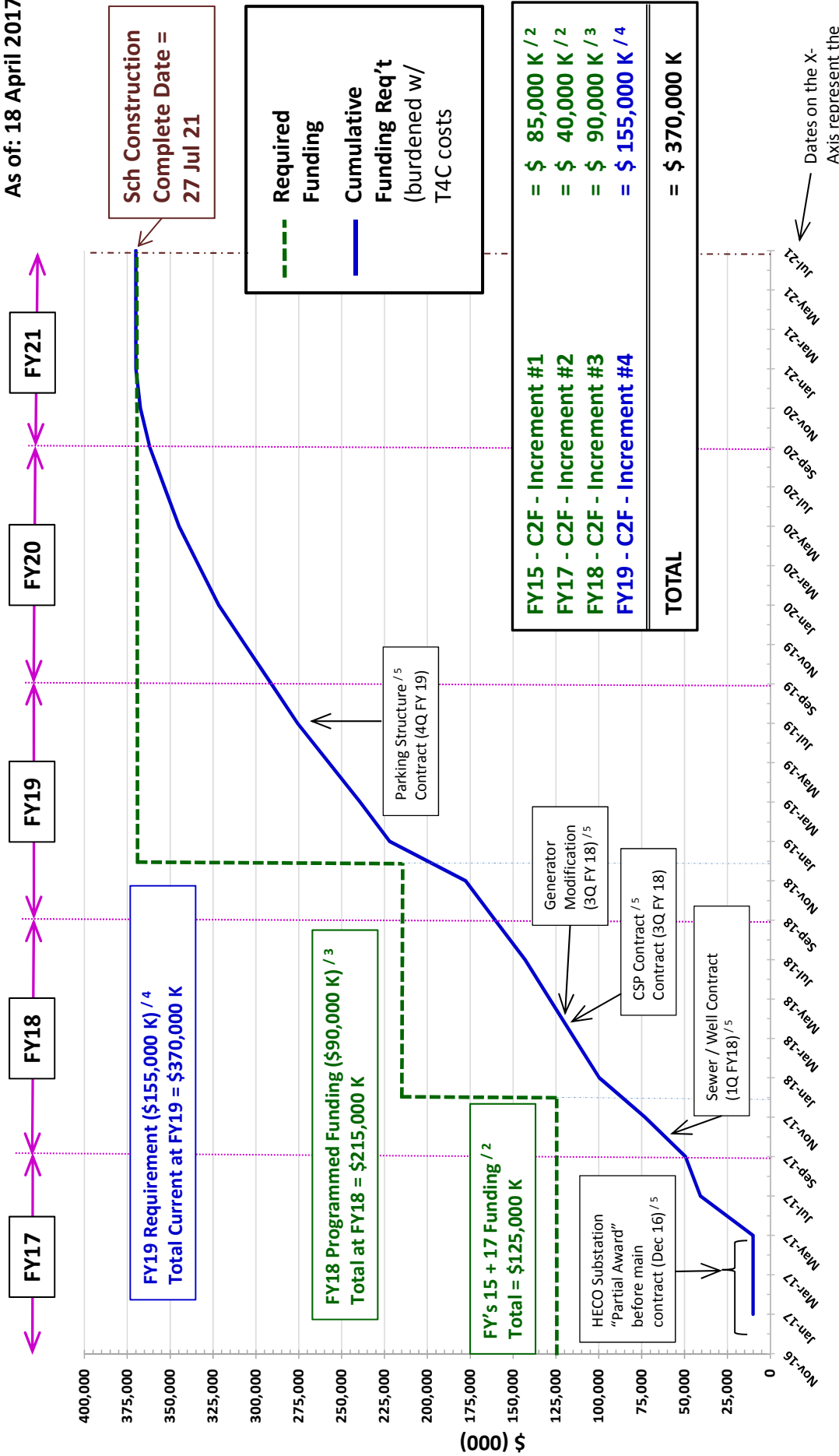
808-656-1289

Work In Place (WIP) Curve – Fort Shafter Command & Control Facility (C2F)



Full Authorization = \$370,000 K /¹ / Sch Award Date = 27 Jul 17

As of: 18 April 2017



Note 1: WIP is based on \$370,000 K Government Estimate at Final Design and includes request for additional scope, inflation, and revised cost factors (Special Considerations, FY18 President's Budget)

Note 2: FY17 total funding includes FY15 (\$85,000 K) and FY17 (\$40,000 K) appropriations

Note 3: FY18 President's Budget Request = \$90,000 K. FY18 total funding includes FY15, FY17 and FY18

Note 4: FY19 requirement = \$155,000 K for final increment

Note 5: These contracts must be awarded separately from the main contract – requires full funding available at time of award (per FAR requirements)

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Indiana	65179	Crane Army Ammunition Activity (AMC) Shipping and Receiving Building	24,000	24,000	C	75 77
		Subtotal Crane Army Ammunition Activity Part I	\$ 24,000	24,000		
		* TOTAL MCA FOR Indiana	\$ 24,000	24,000		

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1. COMPONENT ARMY	FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 24 APR 2017		
3. INSTALLATION AND LOCATION Crane Army Ammunition Act Indiana			4. COMMAND US Army Materiel Command				5. AREA CONSTRUCTION COST INDEX 1.06			
6. PERSONNEL STRENGTH:	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016	1	1	673	0	0	0	15	38	450	1,178
B. END FY 2022	1	1	660	0	0	0	15	38	450	1,165
7. INVENTORY DATA (\$000)										
A. TOTAL AREA..... 0 ha (0 AC)										
B. INVENTORY TOTAL AS OF 30 JUN 2016..... 2,145,174										
C. AUTHORIZATION NOT YET IN INVENTORY..... 36,943										
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM..... 24,000										
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM..... 16,000										
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY)..... 0										
G. REMAINING DEFICIENCY..... 19,503										
H. GRAND TOTAL..... 2,241,620										
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:										
CAT							COST	DESIGN STATUS		
CODE	PROJECT TITLE			SCOPE/UM			(\$000)	START	COMPLETE	
14133	Shipping and Receiving Building			43,620.00/SF(4052.43/m2)			24,000	12/2014	10/2017	
TOTAL							24,000			
9. FUTURE PROJECT APPROPRIATIONS:										
CATEGORY							COST			
CODE	PROJECT TITLE			(\$000)						
A. INCLUDED IN THE FY 2019 PROGRAM:										
86010	Railcar Holding Area			16,000						
TOTAL							16,000			
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE										
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A			
10. MISSION OR MAJOR FUNCTIONS:										
The mission of the Crane Army Ammunition Activity is to support today's warfighters through the Single Manager for Conventional Ammunition by producing and renovating conventional ammunition and related components and by logistics efforts that involve receiving, storing and shipping warstocks to meet emerging and ever-changing warfighter assignments. Execution of mission requirements involves meeting the latest ever-tightening requirements for safety and security while constantly improving the quality of the products provided at less cost.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:										
							(\$000)			
A. AIR POLLUTION							0			
B. WATER POLLUTION							0			
C. OCCUPATIONAL SAFETY AND HEALTH							0			

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Crane Army Ammunition Activity Indiana				4. PROJECT TITLE Shipping and Receiving Building		
5. PROGRAM ELEMENT 72896A		6. CATEGORY CODE 14133	7. PROJECT NUMBER 65179		8. PROJECT COST (\$000) Approp 24,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						15,980
14133 Shipping and Receiving Bldg		m2 (SF)	4,052 (43,620)		2,455	(9,947)
22624 Pyrotechnical Prod Support Bldg		m2 (SF)	1,171 (12,600)		3,727	(4,363)
86010 RR Tracks w/Ties and Ballast		m (LF)	187.45 (615)		969.50	(182)
96100 PCAS		LS	--		--	(408)
88040 IDS Installation		LS	--		--	(28)
Total from Continuation page(s)						(1,052)
SUPPORTING FACILITIES						5,489
Electric Service		LS	--		--	(1,013)
Water, Sewer, Gas		LS	--		--	(260)
Steam/Chilled Water Distribution		LS	--		--	(177)
Paving, Walks, Curbs And Gutters		LS	--		--	(943)
Storm Drainage		LS	--		--	(239)
Site Imp(1,101) Demo(1,628)		LS	--		--	(2,729)
Information Systems		LS	--		--	(102)
Antiterrorism Measures		LS	--		--	(26)
ESTIMATED CONTRACT COST						21,469
CONTINGENCY (5.00%)						1,073
SUBTOTAL						22,542
SUPV, INSP & OVERHEAD (5.70%)						1,285
TOTAL REQUEST						23,827
TOTAL REQUEST (ROUNDED)						24,000
INSTALLED EQT-OTHER APPROP						(2,722)
10. Description of Proposed Construction Construct a shipping and receiving building along with an ammunition production building for plating of metal pyrotechnic munition parts. Construction includes railroad tracks with ties and ballast, Post Construction Award Services (PCAS), Intrusion Detection System (IDS) installation, Energy Monitoring Control Systems (EMCS) connections, and building information systems. The IDS installation, EMCS connections, and building information systems for this facility are unique in nature and not included in the unit cost for the building. Supporting facilities include electric and water service, industrial and sanitary sewers, lighting, fencing, lightning protection, fire protection and alarm systems, roads, curbs, gutters, storm drainage, landscaping, and site improvements. Heating and air conditioning will be provided by self-contained units. Increased building antiterrorism measures will be provided to safeguard handling and storage of explosive ordnance. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related to interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Demolish 11 buildings at Crane Army Ammo Activity, IN (Total 6,908 m2/74,361 SF). Air Conditioning (Estimated 98 kW/28 Tons).						
11. REQ: 5,223 m2		ADQT: NONE		SUBSTD: 1,362 m2		

1. COMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
Army				24 APR 2017	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
Crane Army Ammunition Activity Indiana			Shipping and Receiving Building		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
72896A	14133	65179	Approp	24,000	
<u>9. COST ESTIMATES (CONTINUED)</u>					
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>					
89220 EMCS Connection		LS	--	--	(88)
00000 Cyber Security Measures		LS	--	--	(500)
Sustainability/Energy Measures		LS	--	--	(286)
Antiterrorism Measures		LS	--	--	(69)
Building Information Systems		LS	--	--	(109)
				Total	1,052
PROJECT: Construct a Shipping and Receiving Building at Crane Army Ammunition Activity (CAAA), Indiana. (Current Mission)					
REQUIREMENT: This project is required to provide safe and efficient facilities for receiving, inspecting, reconfiguring, and preparing for storage of unused explosives and munitions that are returning from field operations. Before being sent to the appropriate storage facility, the contents of each shipment are identified, inventoried and sorted by class. Munitions are then consolidated, reconfigured and packaged. An efficient means of performing these tasks rapidly is required. The production facility requires a closed loop system for the handling of processed water from plating operations thereby greatly reducing the volume of industrial water requiring treatment. It will include more fail-safe features for the collection, retention and reclamation in the event of process chemical leakage or spillage.					
CURRENT SITUATION: Shipping/receiving operations are currently taking place in Building 66, a WWII era facility originally designed as a railcar shipping/receiving facility. The linear configuration of the building limits the flow of processing odd lots of munitions. Returning munitions that cannot be readily processed at this facility are taken directly to igloo storage. Munitions stored under this procedure occupy facilities at a significantly lower utilization rate in comparison to storage of segregated and processed munitions. Plating operations are currently taking place in Building 1884. These operations are constrained by the long and narrow configuration of the current facility, which was not originally designed to be a plating shop. Plating equipment lines the exterior walls creating a congested passageway for the movement of materials and workers, limiting the processes and production. Plating capacity is limited to one process at a time, and each process is restricted by wastewater treatment and weather temperatures. Due to current facility limitations, CAAA must currently outsource zinc chromate plating that requires racking. The project is also required to alleviate the crowded, inefficient and unsafe operating conditions offered by the existing plating facility. Retrofitting the existing facility with new modern plating equipment is not practical because the new larger equipment would further constrict interior circulation.					
IMPACT IF NOT PROVIDED: If this project is not provided, incoming shipments of returned munitions will continue to be partially processed in the existing WWII era rail loading facility, or bypass in-processing and go directly to storage in an inefficient manner. CAAA will continue to handle munitions in a manner that inefficiently utilizes igloo storage space and makes the return of ammunition to the issuable condition difficult. Also, metal plating operations will continue to be constrained by the inability to move materials and personnel efficiently through the building. Existing antiquated equipment					

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017																															
3. INSTALLATION AND LOCATION Crane Army Ammunition Activity Indiana				4. PROJECT TITLE Shipping and Receiving Building																																
5. PROGRAM ELEMENT 72896A		6. CATEGORY CODE 14133	7. PROJECT NUMBER 65179		8. PROJECT COST (\$000) Approp 24,000																															
<p><u>IMPACT IF NOT PROVIDED: (CONTINUED)</u> will continue to be maintained and repaired as necessary to continue operations since replacement equipment will not fit in the existing facility. <u>ADDITIONAL:</u> Required assessments have been made for supporting facilities and the project is not in a 100 year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.</p>																																				
<p>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Date Design Started.....</td> <td style="text-align: right; border-bottom: 1px solid black;">DEC 2014</td> </tr> <tr> <td>(b) Percent Complete as of January 2017.....</td> <td style="text-align: right; border-bottom: 1px solid black;">35.00</td> </tr> <tr> <td>(c) Date 35% Designed.....</td> <td style="text-align: right; border-bottom: 1px solid black;">JAN 2017</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right; border-bottom: 1px solid black;">OCT 2017</td> </tr> <tr> <td>(e) Parametric Cost Estimating Used to Develop Costs..</td> <td style="text-align: right; border-bottom: 1px solid black;">YES</td> </tr> <tr> <td colspan="2">(f) Type of Design Contract: Design-bid-build</td> </tr> <tr> <td colspan="2">(g) An energy study and life cycle cost analysis will be documented during the final design.</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Standard or Definitive Design: YES</td> <td></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used: Blue Grass Army Depot</td> <td></td> </tr> <tr> <td>(c) Percentage of Design utilizing Standard Design ...</td> <td style="text-align: right; border-bottom: 1px solid black;">50</td> </tr> </table> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Production of Plans and Specifications.....</td> <td style="text-align: right; border-bottom: 1px solid black;">1,240</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right; border-bottom: 1px solid black;">404</td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td style="text-align: right; border-bottom: 1px solid black;">1,644</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right; border-bottom: 1px solid black;">1,069</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right; border-bottom: 1px solid black;">575</td> </tr> </table> <p>(4) Construction Contract Award..... MAR 2018</p>							(a) Date Design Started.....	DEC 2014	(b) Percent Complete as of January 2017.....	35.00	(c) Date 35% Designed.....	JAN 2017	(d) Date Design Complete.....	OCT 2017	(e) Parametric Cost Estimating Used to Develop Costs..	YES	(f) Type of Design Contract: Design-bid-build		(g) An energy study and life cycle cost analysis will be documented during the final design.		(a) Standard or Definitive Design: YES		(b) Where Design Was Most Recently Used: Blue Grass Army Depot		(c) Percentage of Design utilizing Standard Design ...	50	(a) Production of Plans and Specifications.....	1,240	(b) All Other Design Costs.....	404	(c) Total Design Cost.....	1,644	(d) Contract.....	1,069	(e) In-house.....	575
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(b) Percent Complete as of January 2017.....	35.00																																			
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(d) Date Design Complete.....	OCT 2017																																			
(e) Parametric Cost Estimating Used to Develop Costs..	YES																																			
(f) Type of Design Contract: Design-bid-build																																				
(g) An energy study and life cycle cost analysis will be documented during the final design.																																				
(a) Standard or Definitive Design: YES																																				
(b) Where Design Was Most Recently Used: Blue Grass Army Depot																																				
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1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Crane Army Ammunition Activity Indiana	4. PROJECT TITLE Shipping and Receiving Building
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5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 14133	7. PROJECT NUMBER 65179	8. PROJECT COST (\$000) Approp 24,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(5) Construction Start.....	APR 2018
(6) Construction Completion.....	APR 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
EMCS Equipment	OPA	2019	203
IDS Equipment	OPA	2019	84
Plating Shop Equipment	AWCF	2018	2,221
Shipping/Receiving Equipment	AWCF	2018	156
Info Sys - ISC	OPA	2019	58
		Total	2,722

Installation Engineer
Phone Number:

812-854-6046

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
New York	90722	West Point Military Reservation (IMCOM) Cemetery	22,000	22,000	C	83 85
		Subtotal West Point Military Reservation Part I	\$ 22,000	22,000		
		* TOTAL MCA FOR New York	\$ 22,000	22,000		

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1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 24 APR 2017		
3. INSTALLATION AND LOCATION West Point Military Res New York			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 1.22			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016		744	390	2218	45	5478	0	0	5	3880	12,760
B. END FY 2022		752	407	2112	41	5478	0	0	5	3802	12,597
7. INVENTORY DATA (\$000)											
A. TOTAL AREA..... 6,507 ha (16,078 AC)											
B. INVENTORY TOTAL AS OF 05 OCT 2016.....										4,221,014	
C. AUTHORIZATION NOT YET IN INVENTORY.....										70,000	
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....										22,000	
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....										89,000	
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....										0	
G. REMAINING DEFICIENCY.....										916,080	
H. GRAND TOTAL.....										5,318,094	
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE	PROJECT TITLE	SCOPE/UM			(\$000)		START	COMPLETE			
76030	Cemetery	1.00/EA(1.00/EA)			22,000		04/2017	01/2018			
TOTAL							22,000				
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE				(\$000)						
A. INCLUDED IN THE FY 2019 PROGRAM:											
17138	Engineering Center				89,000						
TOTAL							89,000				
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): N/A											
10. MISSION OR MAJOR FUNCTIONS:											
To educate, train, and inspire the Corps of Cadets so that each graduate is a commissioned leader of character committed to the values of Duty, Honor, Country and prepared for a career of professional excellence and service to the Nation as an officer in the United States Army.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
										(\$000)	
A. AIR POLLUTION										0	
B. WATER POLLUTION										0	
C. OCCUPATIONAL SAFETY AND HEALTH										0	

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION West Point Military Reservation New York				4. PROJECT TITLE Cemetery		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 76030	7. PROJECT NUMBER 90722		8. PROJECT COST (\$000) Approp 22,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						16,313
76030 Post Cemetery		EA	1 --		13115212	(13,115)
21885 Maintenance Facility		m2 (SF)	278.71 (3,000)		7,682	(2,141)
73070 Committal Shelter		m2 (SF)	148.64 (1,600)		5,161	(767)
00000 Special Foundations		LS	--		--	(145)
Sustainability/Energy Measures		LS	--		--	(145)
SUPPORTING FACILITIES						3,813
Electric Service		LS	--		--	(231)
Water, Sewer, Gas		LS	--		--	(330)
Paving, Walks, Curbs And Gutters		LS	--		--	(825)
Storm Drainage		LS	--		--	(562)
Site Imp(1,208) Demo(84)		LS	--		--	(1,292)
Information Systems		LS	--		--	(573)
ESTIMATED CONTRACT COST						20,126
CONTINGENCY (5.00%)						1,006
SUBTOTAL						21,132
SUPV, INSP & OVERHEAD (5.70%)						1,205
TOTAL REQUEST						22,337
TOTAL REQUEST (ROUNDED)						22,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construction consists of expanding the existing cemetery. It includes excavation and installation of in-ground pre-placed crypts, construction of a committal service shelter, including restroom and storage, and construction of a maintenance building. Supporting facilities include waterlines, sanitary sewer, storm drainage, telecommunications, electrical power distribution and exterior lighting, security systems, retaining walls, perimeter fencing, entrance gates, vehicle and pedestrian access roads and walks, curbs and gutters, and signage. Provide special foundations as required to address the varying soil conditions on the site. Heating and air conditioning will be provided by self-contained system. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Sustainability/Energy measures will be provided. Demolish 1 building at West Point Military Reservation, NY (Total 260 m2/2,800 SF).						
11. REQ: 1 EA		ADQT: NONE		SUBSTD: 1 EA		
PROJECT: Construct a Cemetery at West Point Military Reservation, West Point, New York. (Current Mission)						
REQUIREMENT: The Cemetery expansion at the West Point Military Reservation is required to support the Army's commitment to provide in-ground burial to authorized service						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION West Point Military Reservation New York	4. PROJECT TITLE Cemetery
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 76030	7. PROJECT NUMBER 90722	8. PROJECT COST (\$000) Approp 22,000
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REQUIREMENT: (CONTINUED)

members and their families. The placement of pre-placed crypts, similar to those used at VA Cemeteries is required to maximize use of the available land. Each crypt will allow for the burial of 2-3 related decedents. When complete, this project will provide approximately 1800 additional in-ground burial gravesites and extend the life of the Cemetery for an estimated 40 years.

CURRENT SITUATION: Currently, as of March 2017, the West Point Cemetery has 26 full casket sites and 57 in-ground cremated remains sites left, and anticipates that there will be no in-ground plots left beyond this year.

IMPACT IF NOT PROVIDED: West Point Cemetery will continue to operate until capacity is reached. If this project is not provided, West Point Cemetery will run out of space for in-ground burials.

ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	APR 2017
(b) Percent Complete as of January 2017.....	0.00
(c) Date 35% Designed.....	JUL 2017
(d) Date Design Complete.....	JAN 2018
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	1,039
(b) All Other Design Costs.....	560
(c) Total Design Cost.....	1,599
(d) Contract.....	1,279
(e) In-house.....	320

(4) Construction Contract Award..... MAR 2018

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION West Point Military Reservation New York	4. PROJECT TITLE Cemetery
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 76030	7. PROJECT NUMBER 90722	8. PROJECT COST (\$000) Approp 22,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

- A. Estimated Design Data: (CONTINUED..)
- (5) Construction Start..... JUN 2018
 - (6) Construction Completion..... JUN 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NONE		

Installation Engineer
Phone Number: (845) 938-.4129

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----	NEW/ CURRENT MISSION	PAGE -----
South Carolina		Fort Jackson (IMCOM)				91
	76149	Reception Barracks Complex, Ph1	60,000	60,000	C	93
		Subtotal Fort Jackson Part I	\$ 60,000	60,000		
		Shaw Air Force Base (ARCENT)				
	71113	Mission Training Complex	25,000	25,000	C	97
		Subtotal Shaw Air Force Base Part I	\$ 25,000	25,000		
		* TOTAL MCA FOR South Carolina	\$ 85,000	85,000		

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1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 24 APR 2017			
3. INSTALLATION AND LOCATION Fort Jackson South Carolina			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 0.82				
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL		
A. AS OF 31 OCT 2016		1027	4013	2245	463	20225	18	166	394	2724	31,275	
B. END FY 2022		961	3778	2135	384	20363	29	166	394	1910	30,120	
7. INVENTORY DATA (\$000)												
A. TOTAL AREA..... 21,166 ha (52,301 AC)												
B. INVENTORY TOTAL AS OF 30 JUN 2016..... 3,531,619												
C. AUTHORIZATION NOT YET IN INVENTORY..... 617,578												
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM..... 60,000												
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM..... 45,000												
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY)..... 0												
G. REMAINING DEFICIENCY..... 556,776												
H. GRAND TOTAL..... 4,810,973												
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:												
CAT							COST	DESIGN STATUS				
CODE	PROJECT TITLE	SCOPE/UM				(\$000)	START	COMPLETE				
72210	Reception Barracks Complex, Ph1	54,350.00/SF(5049.28/m2)				60,000	01/2016	10/2017				
TOTAL						60,000						
9. FUTURE PROJECT APPROPRIATIONS:												
CATEGORY							COST					
CODE	PROJECT TITLE					(\$000)						
A. INCLUDED IN THE FY 2019 PROGRAM:												
72181	Trainee Barracks Complex 3, Ph2					45,000						
TOTAL						45,000						
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE												
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): N/A												
10. MISSION OR MAJOR FUNCTIONS:												
Provide Basic Combat Training (BCT)/Initial Entry Training (IET), BCT/IET Management & Development, Advanced Individual Training (AIT), and One-Station Unit Training (OSUT). Provide support to the Soldier Support Institute which includes the Adjutant General School, Finance School, Recruiting & Retention School, and NCO Academy. Provide support to the U.S. Army Chaplain Center & School, Drill Sergeant School, DoD Polygraph Institute, and other tenant units and activities. Provide direct support to United States Army Reserve (USAR) components & training divisions.												
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:												
						(\$000)						
A. AIR POLLUTION							0					
B. WATER POLLUTION							0					
C. OCCUPATIONAL SAFETY AND HEALTH							0					

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Jackson South Carolina				4. PROJECT TITLE Reception Barracks Complex, Ph1		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 72210	7. PROJECT NUMBER 76149		8. PROJECT COST (\$000) Approp 60,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						43,381
72210 Dining Facility		m2 (SF)	5,049 (54,350)		3,452	(17,432)
44220 CIIP High-Bay Warehouse		m2 (SF)	9,247 (99,539)		1,667	(15,416)
44220 Lawn Equip Bldgs		EA	2 --		121,408	(243)
44220 General Purpose (GP) Warehouse		m2 (SF)	996.85 (10,730)		1,709	(1,704)
44220 CIIP Swing Space		m2 (SF)	696.77 (7,500)		1,027	(715)
Total from Continuation page(s)						(7,871)
SUPPORTING FACILITIES						10,561
Electric Service		LS	--		--	(1,676)
Water, Sewer, Gas		LS	--		--	(969)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,549)
Storm Drainage		LS	--		--	(819)
Site Imp(4,757) Demo(747)		LS	--		--	(5,504)
Information Systems		LS	--		--	(44)
ESTIMATED CONTRACT COST						53,942
CONTINGENCY (5.00%)						2,697
SUBTOTAL						56,639
SUPV, INSP & OVERHEAD (5.70%)						3,228
TOTAL REQUEST						59,867
TOTAL REQUEST (ROUNDED)						60,000
INSTALLED EQT-OTHER APPROP						(1,718)
10. Description of Proposed Construction Construct a Dining Facility (DFAC), Clothing Initial Issue Point(CIIP), Lawn Equipment Buildings, and renovation of an existing facility for a supply and issue facility. Construction includes building information systems, antiterrorism measures, fire protection and alarm systems installation, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection. Swing space for the CIIP and DFAC is required. Building information systems and antiterrorism measures for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include site development, utilities and connections, perimeter security devices, lighting, paving, parking, walks, curbs and gutters, storm drainage, landscaping, fencing, and signage. Heating, ventilating and air conditioning (HVAC) will be provided by connection to a Central Energy Plant (CEP). Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Demolish 7 buildings at Fort Jackson, SC (Total 7,347 m2/79,081 SF). Air Conditioning (Estimated 1,583 kW/450 Tons).						
11. REQ: 16,654 m2		ADQT: 7,306 m2		SUBSTD: 3,949 m2		

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Jackson South Carolina				4. PROJECT TITLE Reception Barracks Complex, Ph1		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 72210	7. PROJECT NUMBER 76149		8. PROJECT COST (\$000) Approp 60,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY (CONTINUED)</u>						
00000 Cyber Security Measures		LS	--	--	(750)	
72210 DFAC Swing Space		LS	--	--	(4,727)	
Sustainability/Energy Measures		LS	--	--	(662)	
Antiterrorism Measures		LS	--	--	(657)	
Building Information Systems		LS	--	--	(1,075)	
				Total	7,871	
<p><u>PROJECT:</u> Construct Reception Barracks Complex, Phase 1 at Fort Jackson, South Carolina. (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to provide adequate Reception Barracks and to further consolidate Soldier processing for Initial Entry Training (EIT) operations with respect to the reception mission. The Fort Jackson reception battalion is authorized to train two courses: Basic Combat Training (BCT) and the Airborne Orientation Course (AOC). These facilities will improve housing, food services, material management, and security of operations while bolstering the ability to receive, process, motivate, and equip trainees in preparation for BCT, ultimately providing combatant commanders the forces and capabilities necessary to execute the National Security, National Defense, and National Military Strategies. Fort Jackson receives and processes trainees and delivers them to basic training within six days (Expedited Processing). In doing so, the reception battalion manages about 474 military personnel, DoD civilians, and contractors combined across multiple units and organizations that support the processing of approximately 50,000 trainees annually. Arriving trainees are assembled into three companies of 480 to 513 trainees each, and three support companies totaling 520 personnel, requiring a total of 2,200 bed spaces. While the vast majority of trainees in-process for only a few days and then move on to their basic training unit, the reception battalion is also responsible for holdovers and other trainees that may be delayed or denied in moving on to basic training.</p> <p><u>CURRENT SITUATION:</u> Adequate facilities suitable to the reception mission are not available. At present, only 25 percent of assigned facilities are deemed adequate. Other on-post facilities suitable to the requirement are fully utilized. The majority of facilities are over 40 years old and are beyond their economic life. The reception battalion processes trainees within current space by reducing required standards and safety zones, increasing the frequency of logistic deliveries, and extending hours of processing. Furthermore, storage space is used as an attempt to provide additional trainee processing space which has necessitated the need for shipping containers to be placed around the complex. The existing facilities stand in conflict with effective and efficient processing of trainees through BCT and AOC.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the reception battalion will be unable to adequately process trainees for BCT and AOC. Staff and trainees will continue to work in conditions which do not meet life, health and safety codes, and delays due to insufficient work space and inadequate facilities will persist. The inability to expand and support existing and future force structure will impact the battalion's efforts relating to reception. The risk to the trainees, staff, and course</p>						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Jackson South Carolina	4. PROJECT TITLE Reception Barracks Complex, Ph1
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 72210	7. PROJECT NUMBER 76149	8. PROJECT COST (\$000) Approp 60,000
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IMPACT IF NOT PROVIDED: (CONTINUED)
schedules due to space deficits, constrained space, and impeded safety lanes will affect the integrity of assigned courses, adversely affecting the battalion's capability to process trainees which is a vital mission requirement.

ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

	Requested FY2018 (\$000)	FYLR (\$000)
Authorization	\$60,000	\$43,000
Authorization of Appropriation	\$60,000	\$43,000
Appropriation	\$60,000	\$43,000

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	JAN 2016
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

- (a) Standard or Definitive Design: YES
- (b) Where Design Was Most Recently Used:
Fort Sill

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Jackson South Carolina	4. PROJECT TITLE Reception Barracks Complex, Ph1
--	---

5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 72210	7. PROJECT NUMBER 76149	8. PROJECT COST (\$000) Approp 60,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(c) Percentage of Design utilizing Standard Design ...	50
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	2,428
(b) All Other Design Costs.....	1,307
(c) Total Design Cost.....	3,735
(d) Contract.....	2,988
(e) In-house.....	747
(4) Construction Contract Award.....	APR 2018
(5) Construction Start.....	MAY 2018
(6) Construction Completion.....	MAR 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
DFAC Equipment	OPA	2019	586
IDS Equipment	OPA	2019	135
Mass Notification Equip	OPA	2019	159
Info Sys - ISC	OPA	2019	838
Total			1,718

Installation Engineer
Phone Number: 803-751-3829

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Shaw AFB South Carolina				4. PROJECT TITLE Mission Training Complex		
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 17213	7. PROJECT NUMBER 71113		8. PROJECT COST (\$000) Approp 25,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						19,494
17213 Mission Command Training Center		m2 (SF)	4,279 (46,060)		3,544	(15,166)
14113 Security Access Facility		m2 (SF)	37.16 (400)		4,405	(164)
85210 Tactical Operations Center Pads		EA	3 --		167,985	(504)
00000 Cyber Security Measures		EA	6 --		250,000	(1,500)
00000 Post Construction Award Services		LS	--		--	(529)
Total from Continuation page(s)						(1,631)
SUPPORTING FACILITIES						2,844
Electric Service		LS	--		--	(500)
Water, Sewer, Gas		LS	--		--	(230)
Paving, Walks, Curbs And Gutters		LS	--		--	(477)
Storm Drainage		LS	--		--	(134)
Site Imp(1,049) Demo()		LS	--		--	(1,049)
Information Systems		LS	--		--	(454)
ESTIMATED CONTRACT COST						22,338
CONTINGENCY (5.00%)						1,117
SUBTOTAL						23,455
SUPV, INSP & OVERHEAD (5.70%)						1,337
TOTAL REQUEST						24,792
TOTAL REQUEST (ROUNDED)						25,000
INSTALLED EQT-OTHER APPROP						(4,230)
10. Description of Proposed Construction Construct a small standard design Mission Training Complex (MTC). Primary facilities include the MTC, Mission Command Training Center, security access facility (SAF), tactical operations center pads, building information systems, Energy Monitoring and Control System (EMCS) connection, and Intrusion Detection System (IDS) installation. Project will provide Post Construction Award Services. Building information systems for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include information systems, site development, electric service, water, sewer, and gas, paving, walks, curbs, and gutters, storm drainage, site improvements, and information systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Air Conditioning (Estimated 404 kW/115 Tons).						
11. REQ: 4,279 m2		ADQT: NONE		SUBSTD: 836 m2		
PROJECT: Construct a Mission Training Complex (MTC) at Shaw Air Force Base, South Carolina. (Current Mission)						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Shaw AFB South Carolina				4. PROJECT TITLE Mission Training Complex		
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 17213	7. PROJECT NUMBER 71113		8. PROJECT COST (\$000) Approp 25,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)						
Sustainability/Energy Measures		LS	--	--	(247)	
Building Information Systems		LS	--	--	(1,384)	
				Total	1,631	
<p><u>REQUIREMENT:</u> This project is required to support U.S. Army Central Command (USARCENT) individual and collective digital training and battle staff training using constructive simulations with command, control, communications, computers and intelligence interoperability (C4I). The project will provide effective training in the command and control of individual as well as combined operations in a simulated tactical environment, incorporating appropriate opposing forces. It will support several different levels of battle command training for contingency force units and various additional combat, combat support, and combat service support units. Battle simulations and command post exercises are conducted at company, battalion, brigade, division, corps and joint levels. Size and complexity of battle command training using simulations and C4I systems have increased significantly.</p> <p><u>CURRENT SITUATION:</u> Currently temporary modular facilities have been installed as an interim measure until the permanent MTC is completed. However, the capability of these temporary facilities does not support expanded training needs for battle command using increased simulations, instrumentation and C4I systems. Present training limits the integration of combat, C4I systems and equipment, and does not provide a platform for integration of other Army and joint battle command elements. Minimum required capabilities of integrating architecture, operational C4I system stimulation, reach capability, and training sustainment are not available. This training need is not being fully met.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided U.S. Army Central Command (USARCENT) Soldiers will not have adequate training in simulation enhanced facilities. The quality of mission training and staff simulation exercises and unit C4I expertise will decline. Essential training and skill development will not be able to keep pace with mission demands.</p> <p><u>ADDITIONAL:</u> Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.</p>						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Shaw AFB South Carolina	4. PROJECT TITLE Mission Training Complex
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5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 17213	7. PROJECT NUMBER 71113	8. PROJECT COST (\$000) Approp 25,000
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	SEP 2012
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Fort Leavenworth	
(c) Percentage of Design utilizing Standard Design ...	85

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	99
(b) All Other Design Costs.....	71
(c) Total Design Cost.....	170
(d) Contract.....	99
(e) In-house.....	71

(4) Construction Contract Award..... APR 2018

(5) Construction Start..... MAY 2018

(6) Construction Completion..... MAY 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Equipment	OPA	2019	3,603
ESS Equipment	OPA	2019	315
IDS Equipment	OPA	2019	63
Info Sys - ISC	OPA	2019	249
		Total	4,230

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017
3. INSTALLATION AND LOCATION Shaw AFB South Carolina			4. PROJECT TITLE Mission Training Complex	
5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 17213	7. PROJECT NUMBER 71113	8. PROJECT COST (\$000) Approp 25,000	

Installation Engineer
Phone Number:

803-895-9562

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE		INSTALLATION (COMMAND)		NEW/	
-----	PROJECT	-----	AUTHORIZATION	APPROPRIATION	CURRENT
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION
	-----	-----	-----	-----	-----
Texas		Fort Hood (IMCOM)			
	72843	Battalion Headquarters Complex	37,000	37,000	C
			-----	-----	
		Subtotal Fort Hood Part I	\$ 37,000	37,000	
		Fort Sam Houston (MEDCOM)			
		Camp Bullis			
	67554	Vehicle Maintenance Shop	13,600	13,600	C
			-----	-----	
		Subtotal Fort Sam Houston Part I	\$ 13,600	13,600	
		* TOTAL MCA FOR Texas	\$ 50,600	50,600	

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1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM								2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Hood Texas				4. COMMAND US Army Installation Management Command						5. AREA CONSTRUCTION COST INDEX 0.88	
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016		5112	31144	4998	13	294	0	814	2543	10902	55,820
B. END FY 2022		4916	29936	4632	13	288	0	567	1969	7983	50,304
7. INVENTORY DATA (\$000)											
A. TOTAL AREA.....		88,291 ha		(218,171 AC)							
B. INVENTORY TOTAL AS OF 30 JUN 2016.....							17,570,865				
C. AUTHORIZATION NOT YET IN INVENTORY.....							1,500,961				
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....							37,000				
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....							0				
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0				
G. REMAINING DEFICIENCY.....							2,046,874				
H. GRAND TOTAL.....							21,155,700				
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE	PROJECT TITLE	SCOPE/UM			(\$000)		START	COMPLETE			
44226	Battalion Headquarters Complex	72,240.00/SF(6711.31/m2)			37,000		06/2013	10/2017			
						TOTAL		37,000			
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE						(\$000)				
A. INCLUDED IN THE FY 2019 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A				
10. MISSION OR MAJOR FUNCTIONS:											
Provide the nation's Armed Forces with a sustaining base and a power projection platform, in support of National Objectives. Major functions include: Support and enable operational and training requirements of Maneuver units, support basic and advanced skill training for new Soldiers; exercise command and control; provide for public safety and security; provide sound stewardship of installation resources and the environment; provide services/programs to enable readiness; execute community and family support services and programs; maintain and improve installation infrastructure.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
						(\$000)					
A. AIR POLLUTION							0				
B. WATER POLLUTION							0				
C. OCCUPATIONAL SAFETY AND HEALTH							0				

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Hood Texas				4. PROJECT TITLE Battalion Headquarters Complex		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 44226	7. PROJECT NUMBER 72843		8. PROJECT COST (\$000) Approp 37,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST(\$000)	
<u>PRIMARY FACILITY</u>					24,618	
44226 Supply Support Activity		m2 (SF)	6,711 (72,240)	1,799	(12,076)	
14183 Battalion HQ w/Classrooms		m2 (SF)	1,728 (18,600)	2,736	(4,728)	
14179 Overhead Canopy (SSA)		m2 (SF)	2,049 (22,050)	904.06	(1,852)	
85210 Organizational Vehicle Parking		m2 (SY)	48,638 (58,170)	86.98	(4,231)	
00000 Special Foundations		LS	--	--	(1,145)	
Total from Continuation page(s)					(586)	
<u>SUPPORTING FACILITIES</u>					8,276	
Electric Service		LS	--	--	(592)	
Water, Sewer, Gas		LS	--	--	(2,119)	
Paving, Walks, Curbs And Gutters		LS	--	--	(1,948)	
Storm Drainage		LS	--	--	(1,189)	
Site Imp(1,977) Demo()		LS	--	--	(1,977)	
Information Systems		LS	--	--	(451)	
ESTIMATED CONTRACT COST					32,894	
CONTINGENCY (5.00%)					1,645	
SUBTOTAL					34,539	
SUPV, INSP & OVERHEAD (5.70%)					1,969	
TOTAL REQUEST					36,508	
TOTAL REQUEST (ROUNDED)					37,000	
INSTALLED EQT-OTHER APPROP					(0)	
10. Description of Proposed Construction Construct a Battalion Headquarters Complex with a standard design medium Battalion (BN) Headquarters building with classrooms, two standard design Supply Support Activity (SSA) warehouses, and one modified standard design SSA warehouse. Facilities include an overhead canopy, organizational vehicle parking, building information systems, fire protection and alarm systems, and Energy Monitoring Control Systems (EMCS) connection. Special Foundations are required. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, low impact development, information systems, landscaping and signage. Heating and air conditioning will be provided by self-contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Air Conditioning (Estimated 236 kW/67 Tons).						
11. REQ: 13,423 m2		ADQT: NONE		SUBSTD: NONE		
PROJECT: Construct a Battalion Headquarters Complex at Fort Hood, Texas. (Current Mission)						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Hood Texas				4. PROJECT TITLE Battalion Headquarters Complex		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 44226	7. PROJECT NUMBER 72843		8. PROJECT COST (\$000) Approp 37,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)						
00000 Cyber Security Measures		LS	--	--	(250)	
Sustainability/Energy Measures		LS	--	--	(336)	
					Total	586
<p><u>REQUIREMENT:</u> This project is required to provide adequate Supply Support Activity Warehouses and Battalion Headquarters at Fort Hood, Texas. Fort Hood has no existing facilities that adequately support SSA operations and lack organizational headquarters space. Insufficient hardstand and vehicle parking areas result in inefficient repair parts exchange and new part receiving operations. Fort Hood units require modern SSAs, with adequate space for storage while properly protecting the SSA inventory from loss and weather damage.</p> <p><u>CURRENT SITUATION:</u> Currently, units are utilizing undersized storage facilities that lack the enclosed space and functionality to securely store parts and supplies received while providing efficient maintenance and supply operations. Some units have constructed temporary SSAs by using fenced-in, uncovered areas within existing motor pools. High value repair parts and materials belong in covered storage. Despite efforts to protect expensive items, they are often exposed to high humidity, high temperatures and heavy rain. Loss from exposure to the elements is an avoidable expense. There also is a severe shortage of Battalion Headquarters space at Fort Hood. Units are overcrowded in existing headquarters space. The consolidation often separates units which interfere with direct command and control.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the expense from supply loss due to weather damage will continue. Units will continue to work out of substandard and inadequate facilities without new, permanent buildings. Mission degradation may occur if Soldiers and materials cannot be consolidated at a common location.</p> <p><u>ADDITIONAL:</u> Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.</p>						
12. SUPPLEMENTAL DATA:						
A. Estimated Design Data:						
(1) Status:						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Hood Texas	4. PROJECT TITLE Battalion Headquarters Complex
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 44226	7. PROJECT NUMBER 72843	8. PROJECT COST (\$000) Approp 37,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(a) Date Design Started.....	JUN 2013
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(2) Basis:	
(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Fort Sill	
(c) Percentage of Design utilizing Standard Design ...	80
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	640
(b) All Other Design Costs.....	960
(c) Total Design Cost.....	1,600
(d) Contract.....	960
(e) In-house.....	640
(4) Construction Contract Award.....	FEB 2018
(5) Construction Start.....	MAR 2018
(6) Construction Completion.....	MAR 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

Installation Engineer
Phone Number: 254-287-5707

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Camp Bullis Texas (Joint Base San Antonio)				4. PROJECT TITLE Vehicle Maintenance Shop		
5. PROGRAM ELEMENT 87796A		6. CATEGORY CODE 21410	7. PROJECT NUMBER 67554		8. PROJECT COST (\$000) Approp 13,600	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						8,480
21410 Vehicle Maint Shop		m2 (SF)	1,747 (18,800)		2,908	(5,080)
85210 Organizational Vehicle Parking		m2 (SY)	19,030 (22,760)		73.35	(1,396)
14963 Vehicle Wash Facility		m2 (SF)	278.71 (3,000)		528.15	(147)
85210 Vehicle Wash Hardstand w/ Apron		m2 (SY)	2,088 (2,497)		73.35	(153)
21412 Organizational Storage Building		m2 (SF)	222.97 (2,400)		1,386	(309)
Total from Continuation page(s)						(1,395)
SUPPORTING FACILITIES						3,834
Electric Service		LS	--		--	(289)
Water, Sewer, Gas		LS	--		--	(227)
Paving, Walks, Curbs And Gutters		LS	--		--	(631)
Storm Drainage		LS	--		--	(302)
Site Imp(1,867) Demo(268)		LS	--		--	(2,135)
Information Systems		LS	--		--	(250)
ESTIMATED CONTRACT COST						12,314
CONTINGENCY (5.00%)						616
SUBTOTAL						12,930
SUPV, INSP & OVERHEAD (5.70%)						737
TOTAL REQUEST						13,667
TOTAL REQUEST (ROUNDED)						13,600
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a standard design Vehicle Maintenance Shop. Project includes a small Vehicle Maintenance Facility with a 35-ton overhead crane, tactical organizational vehicle parking, organizational storage, POL and other hazardous material storage, a Vehicle Wash Facility with apron and Hardstand, Hazardous Waste Storage Facility, special foundations, building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection. Supporting facilities include site development, utilities (electric, water, sewer, and gas) and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, low impact development features, information systems, landscaping and signage. Heating and air conditioning will be provided by a self-contained system. Supporting Facilities cost is high due to lack of infrastructure, serviceable roadways and the inclusion of flood mitigation measures to raise the site elevation. UXO clearance will be accomplished with other appropriations. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Demolish 2 buildings at Camp Bullis, TX (Total 1,695 m2/18,241 SF). Air Conditioning						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Camp Bullis Texas (Joint Base San Antonio)				4. PROJECT TITLE Vehicle Maintenance Shop		
5. PROGRAM ELEMENT 87796A		6. CATEGORY CODE 21410	7. PROJECT NUMBER 67554		8. PROJECT COST (\$000) Approp 13,600	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)						
21470 POL Storage Bldg		m2 (SF)	78.04 (840)		1,770	(138)
21470 Hazardous Waste Storage Bldg		m2 (SF)	78.04 (840)		1,679	(131)
00000 Special Foundation		LS	--		--	(272)
00000 Cyber Security Measures		LS	--		--	(750)
Sustainability/Energy Measures		LS	--		--	(104)
					Total	1,395
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
(Estimated 70 kW _r /20 Tons).						
11. REQ: 11,984 m2 ADQT: 743 m2 SUBSTD: 1,579 m2						
PROJECT: Construct a Vehicle Maintenance Shop at Joint Base San Antonio, Texas. (Current Mission)						
REQUIREMENT: This project is required to replace the Army Medical Department Center and School (AMEDD C&S) vehicle maintenance shop. The AMEDD C&S mission at Camp Bullis is to issue, maintain and store equipment for medical field training. This training involves over 250 annual training exercises, and is provided to 35,000 military persons from all services, Active and Reserve components, located in Texas and other states. The support unit has a strength of 101 personnel. A 35-ton overhead crane is required in lieu of the standard 10-ton in order to lift Stryker and Mine-Resistant Ambush Protected (MRAP) vehicles.						
CURRENT SITUATION: The existing facilities include a maintenance shop constructed in 1945, portable buildings, and shipping containers. Equipment storage is at Victor Base, four miles away from the maintenance shop. Vehicle maintenance is performed in substandard, undersized buildings that minimally meet customer needs. The shop lacks standard shop components, such as an overhead crane and interior maintenance pits. The facilities have no heating, cooling, and ventilation systems. They are structurally unsound, have inadequate utility support, and lack functional space and layout to accommodate modern vehicles. Vehicles can be maintained and used in the field most efficiently if they are not required to make a twenty mile commute between Camp Bullis and Fort Sam Houston.						
IMPACT IF NOT PROVIDED: If this project is not provided, vehicle mechanics will be forced to continue performing maintenance functions in temporary facilities that are severely crowded, inadequate, and substandard, which create conditions that are unsafe and expose maintenance operations to inclement weather. These conditions result in nonproductive time, impair the effective employment of skilled personnel, and adversely affect mission training. This has a direct adverse impact on organizational productivity and morale.						
ADDITIONAL: Required assessments have been made for supporting facilities and the project is in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Camp Bullis Texas (Joint Base San Antonio)	4. PROJECT TITLE Vehicle Maintenance Shop
---	--

5. PROGRAM ELEMENT 87796A	6. CATEGORY CODE 21410	7. PROJECT NUMBER 67554	8. PROJECT COST (\$000) Approp 13,600
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ADDITIONAL: (CONTINUED)
project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	JAN 2016
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	SEP 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Adapt-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Joint Base San Antonio	
(c) Percentage of Design utilizing Standard Design ...	100

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):

(a) Production of Plans and Specifications.....	378
(b) All Other Design Costs.....	252
(c) Total Design Cost.....	630
(d) Contract.....	252
(e) In-house.....	378

(4) Construction Contract Award..... JAN 2018

(5) Construction Start..... MAR 2018

(6) Construction Completion..... NOV 2019

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Camp Bullis Texas (Joint Base San Antonio)	4. PROJECT TITLE Vehicle Maintenance Shop
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5. PROGRAM ELEMENT 87796A	6. CATEGORY CODE 21410	7. PROJECT NUMBER 67554	8. PROJECT COST (\$000) Approp 13,600
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12. SUPPLEMENTAL DATA (CONTINUED..)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer
Phone Number: 210-221-4775

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----	NEW/ CURRENT MISSION -----	PAGE -----
Virginia	86286	Fort Belvoir (IMCOM) Secure Admin/Operations Facility, Incr 3	0	14,124	C	115 117
		Subtotal Fort Belvoir Part I	\$ 0	14,124		
	77779	Joint Base Langley-Eustis (TRADOC) Aircraft Maintenance Instructional Bldg	34,000	34,000	C	121
		Subtotal Joint Base Langley-Eustis Part I	\$ 34,000	34,000		
	89235	Joint Base Myer-Henderson Hall (IMCOM) Security Fence	20,000	20,000	C	125 127
		Subtotal Joint Base Myer-Henderson Hall Part I	\$ 20,000	20,000		
		* TOTAL MCA FOR Virginia	\$ 54,000	68,124		

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1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 24 APR 2017			
3. INSTALLATION AND LOCATION Fort Belvoir Virginia			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 1.02				
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL		
A. AS OF 31 OCT 2016		3250	3616	5924	195	100	30	1410	1077	32119	47,721	
B. END FY 2022		2555	3513	5272	197	100	277	1388	1077	31881	46,260	
7. INVENTORY DATA (\$000)												
A. TOTAL AREA.....		3,541 ha		(8,750 AC)								
B. INVENTORY TOTAL AS OF 30 JUN 2016.....							17,737,596					
C. AUTHORIZATION NOT YET IN INVENTORY.....							448,006					
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....							0					
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....							0					
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0					
G. REMAINING DEFICIENCY.....							292,624					
H. GRAND TOTAL.....							18,478,226					
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:												
CAT							COST		DESIGN STATUS			
CODE		PROJECT TITLE			SCOPE/UM			(\$000)		START COMPLETE		
14190		Incr 3			381,839.00/SF(35473.99/m2)			14,124		03/2010 07/2015		
							TOTAL		14,124			
9. FUTURE PROJECT APPROPRIATIONS:												
CATEGORY							COST					
CODE		PROJECT TITLE						(\$000)				
A.		INCLUDED IN THE FY 2019 PROGRAM: NONE										
B.		PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE										
C.		DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):					N/A					
10. MISSION OR MAJOR FUNCTIONS:												
Provide installation support to authorized units, activities and personnel assigned to or located in the Fort Belvoir geographical support region including: various Headquarters Department of the Army and Department of Defense agencies, Intelligence and Security Command, Defense Threat Reduction Agency, Defense Logistics Agency, U.S. Army Criminal Investigation Command, National Geospatial-Intelligence Agency, Defense Acquisition University, Army Management Staff College, Army Force Management School, Army Inspector General School, and Defense Contract Audit Command.												
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:												
							(\$000)					
A. AIR POLLUTION							0					
B. WATER POLLUTION							0					
C. OCCUPATIONAL SAFETY AND HEALTH							0					

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Belvoir Virginia				4. PROJECT TITLE Secure Admin/Operations Facility, Incr 3		
5. PROGRAM ELEMENT 33025A (MIP)		6. CATEGORY CODE 14190	7. PROJECT NUMBER 86286		8. PROJECT COST (\$000) Approp 14,124	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						153,777
14162 Sensitive Compart Info Facility		m2 (SF)	35,474 (381,839)		3,789	(134,407)
14162 ODNI Compliance		LS	--		--	(2,643)
00000 Special Foundation		LS	--		--	(3,479)
81160 Standby Generator		kWe (KW)	6,000 (6,000)		806.29	(4,838)
88040 IDS Installation		LS	--		--	(3,543)
Total from Continuation page(s)						(4,867)
SUPPORTING FACILITIES						1,122
Electric Service		LS	--		--	(66)
Water, Sewer, Gas		LS	--		--	(3)
Paving, Walks, Curbs And Gutters		LS	--		--	(2)
Storm Drainage		LS	--		--	(2)
Site Imp(781) Demo()		LS	--		--	(781)
Information Systems		LS	--		--	(268)
ESTIMATED CONTRACT COST						154,899
CONTINGENCY (5.00%)						7,745
SUBTOTAL						162,644
SUPV, INSP & OVERHEAD (5.70%)						9,271
TOTAL REQUEST						171,915
TOTAL REQUEST (ROUNDED)						172,000
INSTALLED EQT-OTHER APPROP						(65,271)
10. Description of Proposed Construction This is an incrementally funded project. Congress reauthorized the full amount of \$172M in FY2015. The second funding increment of \$64M (PN 86285) was appropriated in FY2017. The third funding increment of \$14.124M (PN 86286) is requested in FY2018. The facility includes administrative areas; Secure Operations Building with special use of space for a Sensitive Compartmented Information Facility (SCIF), that is in compliance with Intelligence directives as required. The project includes facility construction zones, redundant mechanical and electrical systems with back-up power and emergency generator for designated areas, elevators, information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, Energy Monitoring and Control Systems (EMCS) connection, and antiterrorism measures. Increased building Antiterrorism/Force Protection (AT/FP) measures are included for the Secure Operations Building to provide multi-story, progressive collapse. Sustainability/Energy measures will be provided. Special foundations are required. Supporting Facilities include site development, site improvements, utilities and connections, lighting, paving parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by connection to the central utility plant. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 40 years in accordance with the Department of Defense's (DoD's) Unified Facilities Criteria (UFC 1-200-02), including energy efficiencies, building envelope and integrated building						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Fort Belvoir Virginia				4. PROJECT TITLE Secure Admin/Operations Facility, Incr 3		
5. PROGRAM ELEMENT 33025A (MIP)		6. CATEGORY CODE 14190	7. PROJECT NUMBER 86286		8. PROJECT COST (\$000) Approp 14,124	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)						
89220 EMCS Connections		LS	--	--	(50)	
Sustainability/Energy Measures		LS	--	--	(1,041)	
Antiterrorism Measures		LS	--	--	(3,776)	
					Total 4,867	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
systems performance meeting, on average, American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE) 189.1 standards. Measures in accordance with the DoD Minimum Antiterrorism for Buildings standards will be provided. Air Conditioning (Estimated 1,045 Tons).						
11. REQ: 56,622 m2 ADQT: 21,148 m2 SUBSTD: NONE						
PROJECT: Construct a Secure Administration/Operations Facility for the Information Dominance Center at Fort Belvoir, Virginia. (Current Mission)						
REQUIREMENT: This project is required to consolidate and expand current mission supporting Intelligence and Security Command (INSCOM), Military Intelligence Reserve Command (MIRC), and 1st Intelligence Operations (1st IO) intelligence gathering operations. This additional requirement, supported by authorized personnel increases of 794 persons, and 193 persons added by MIRC, Army Network Operations and Security Center (ANOSC) and Army Directed Studies Office (ADSO), also includes the mission to support a continuous personnel training load for 100 persons.						
CURRENT SITUATION: There is no space in the INSCOM headquarters building to support projected personnel increases. Personnel currently assigned to the headquarters work in overcrowded conditions. Elements of INSCOM and MIRC are presently in or moving to leased space. Total space accommodated though leasing is approximately 88,000 SF.						
IMPACT IF NOT PROVIDED: If this project is not provided, INSCOM's ability to provide Army-wide information operations support will be impeded. Information operations support, intelligence gathering, and intelligence analysis will be restricted by the limitations of scattered substandard facilities. Without an expanded and consolidated facility, overcrowding and disjointed operations will worsen. INSCOM will be forced to maintain expensive leased facilities that do not meet minimum force protection standards or security requirements. INSCOM may not achieve the maximum potential capability in intelligence gathering, analysis, and dissemination.						
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. Mission requirements, operational considerations, and location are incompatible with use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design,						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Belvoir Virginia	4. PROJECT TITLE Secure Admin/Operations Facility, Incr 3
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5. PROGRAM ELEMENT 33025A (MIP)	6. CATEGORY CODE 14190	7. PROJECT NUMBER 86286	8. PROJECT COST (\$000) Approp 14,124
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ADDITIONAL: (CONTINUED)
development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

	FY2013 (\$000)	FY2017 (\$000)	Requested FY2018 (\$000)
Authorization	\$172,000	\$0	\$0
Authorization of Appropriation	\$94,000	\$64,000	\$14,124
Appropriation	\$93,876	\$64,000	\$14,124

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	MAR 2010
(b) Percent Complete as of January 2017.....	100.00
(c) Date 35% Designed.....	AUG 2012
(d) Date Design Complete.....	JUL 2015
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	

(2) Basis:

(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Fort Belvoir	
(c) Percentage of Design utilizing Standard Design ...	50

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	3,658
(b) All Other Design Costs.....	914
(c) Total Design Cost.....	4,572
(d) Contract.....	2,972
(e) In-house.....	1,600

(4) Construction Contract Award..... JAN 2016

(5) Construction Start..... FEB 2016

(6) Construction Completion..... AUG 2019

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Fort Belvoir Virginia	4. PROJECT TITLE Secure Admin/Operations Facility, Incr 3
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5. PROGRAM ELEMENT 33025A (MIP)	6. CATEGORY CODE 14190	7. PROJECT NUMBER 86286	8. PROJECT COST (\$000) Approp 14,124
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12. SUPPLEMENTAL DATA (CONTINUED..)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
UPS	OPA	2014	1,594
Electronic Security Sysytem	OPA	2019	2,300
XRay/WIFI Detector	OPA	2019	1,200
Info Sys - ISC	OPA	2019	5,829
Info Sys - PROP	OPA	2019	54,348
		Total	65,271

Installation Engineer
Phone Number:

703-428-4531

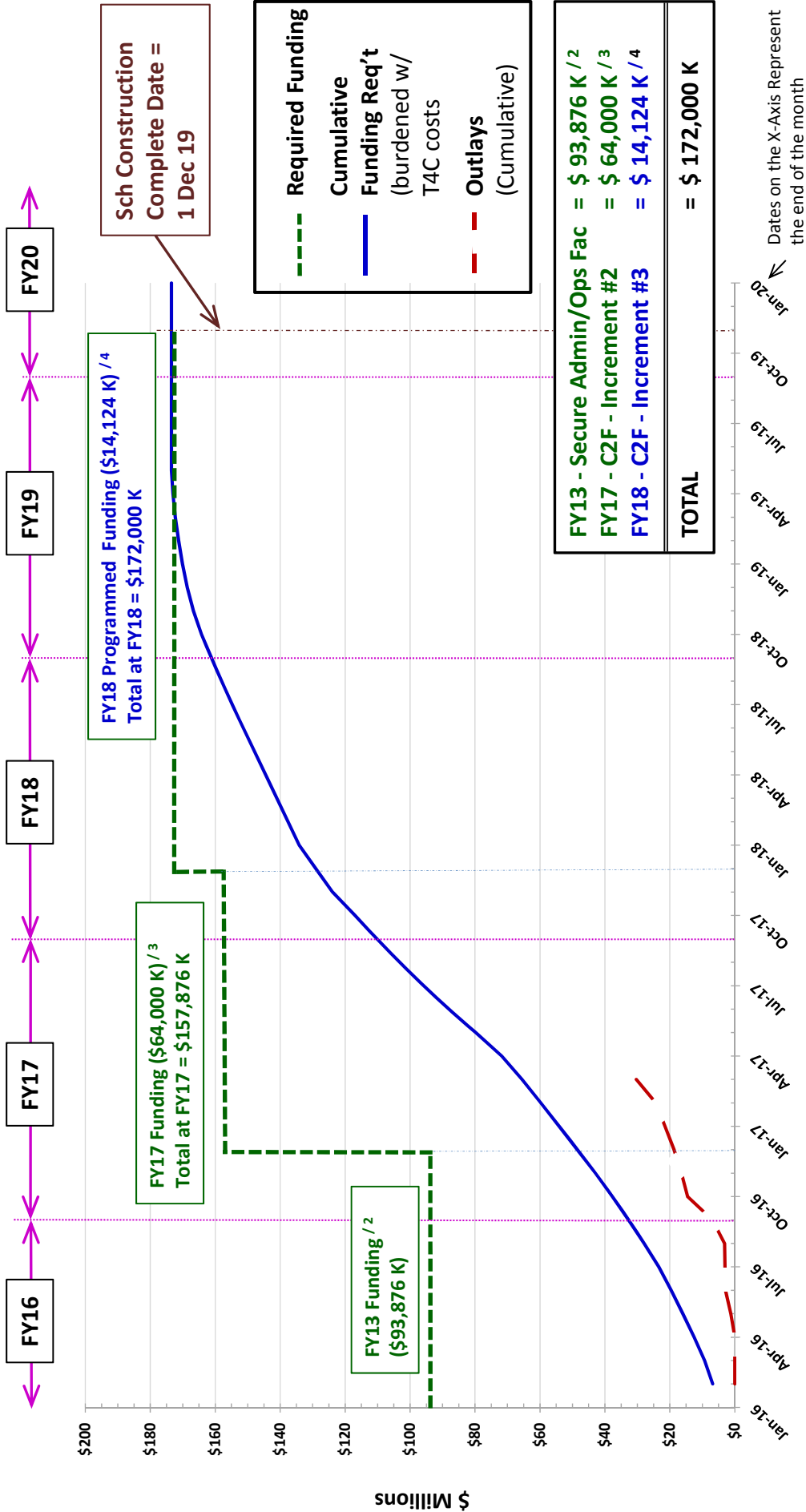


Work In Place (WIP) Curve – Fort Belvoir Secure Admin/Operations Facility

Authorization = \$172,000 K / ¹ // Award CWE = \$173,497 K

Award Date = 23 Feb 16

As of: 18 April 2017



Note 1: Authorization for Fort Belvoir "Secure Admin/ Operations Facility" project increased to \$172,000 K per the FY 2015 NDAA, Sec 2105(d).
 Note 2: FY13 Appropriated Amount = \$93,876 K (includes across-the-board rescissions)
 Note 3: FY17 total funding includes FY13 (\$93,876 K) and FY17 (\$64,000 K) project funding.
 Note 4: FY18 President's Budget request = \$14,124 K. FY18 total funding includes FY13, FY17 and FY18 project funding.

Assumptions: Incremental Funding will be available 1 Jan of the FY

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Joint Base Langley-Eustis Virginia				4. PROJECT TITLE Aircraft Maintenance Instructional Bldg		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 17134	7. PROJECT NUMBER 77779		8. PROJECT COST (\$000) Approp 34,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						27,431
17134 Aircraft Maint Instr Facility		m2 (SF)	10,734 (115,536)		2,352	(25,243)
85210 Organizational Vehicle Parking		m2 (SY)	4,304 (5,148)		56.21	(242)
00000 Cyber Security Measures		LS	--		--	(750)
00000 Special Foundations		LS	--		--	(262)
Sustainability/Energy Measures		LS	--		--	(505)
Building Information Systems		LS	--		--	(429)
SUPPORTING FACILITIES						2,858
Electric Service		LS	--		--	(984)
Water, Sewer, Gas		LS	--		--	(293)
Paving, Walks, Curbs And Gutters		LS	--		--	(191)
Storm Drainage		LS	--		--	(455)
Site Imp(367) Demo(385)		LS	--		--	(752)
Information Systems		LS	--		--	(176)
Antiterrorism Measures		LS	--		--	(7)
ESTIMATED CONTRACT COST						30,289
CONTINGENCY (5.00%)						1,514
SUBTOTAL						31,803
SUPV, INSP & OVERHEAD (5.70%)						1,813
TOTAL REQUEST						33,616
TOTAL REQUEST (ROUNDED)						34,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct an Aircraft Maintenance Instructional Building. The project includes high bays with space for applied instruction classrooms, supporting tool/equipment storage and issue space, laboratories, instructor work and counseling areas, supporting space to enable automated instruction as well as aircraft part and equipment mock-up demonstration, ground support equipment storage, elevator, organizational vehicle parking, special foundations, building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Management Control System (EMCS) connection. Building information systems for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include utilities, site improvements, parking, sidewalks, curbs, gutters, and storm drainage collection. Heating and air conditioning will be provided by self-contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Demolish 9 buildings at Joint Base Langley-Eustis, VA (Total 3,572 m2/38,453 SF). Air Conditioning (Estimated 767 kW/218 Tons).						
11. REQ: 55,742 m2		ADQT: 30,193 m2		SUBSTD: 32,126 m2		

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Joint Base Langley-Eustis Virginia			4. PROJECT TITLE Aircraft Maintenance Instructional Bldg		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 17134	7. PROJECT NUMBER 77779	8. PROJECT COST (\$000) Approp 34,000	
<p><u>PROJECT:</u> Construct an Aircraft Maintenance Instructional Building at Joint Base Langley-Eustis, Virginia. (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to provide an Aircraft Maintenance Instructional Building necessary to conduct effective, efficient, and safe training for the U.S. Army Active, Reserve, National Guard units, Air Force, Marine Corps, and Nations who share United States interests in order to produce technically qualified and proficient aviation maintenance leaders. Applied technical training is specific to aircraft that are both common and non-standard to each branch of service and includes more than 40 aircraft. This instructional building will support the annual training of about 5,000 Soldiers in 15 Army aviation military occupational specialties (MOS) with more than 150 classes to provide the minimal skills necessary for entry level positions as helicopter maintenance specialists. Instruction includes transition training necessary to adapt to force modernization and MOS realignment.</p> <p><u>CURRENT SITUATION:</u> Currently, available aircraft maintenance training bays are constrained and cannot accommodate assigned training aircraft and associated equipment. Lateral distance between the aircraft impedes safety egress lanes, jeopardizing the safety of trainees and their instructors. The paramount space deficiency is with high bay instructional space with only 325,000 SF of the 600,000 SF required. Only 54 percent of the requirement is currently satisfied. The training is performed within current space by reducing required safety zones around equipment and employing multiple shift training. However, as transformation and force modernization initiatives develop, new equipment continues to be fielded, further increasing the amount of instructional space required to safely conduct applied technical training.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, Joint Base Langley-Eustis will be unable to adequately deliver aviation applied instruction. The inability to expand and support existing and future airframe training technology will negatively influence the training efforts relating to aircraft maintenance instruction. The risk to the trainees, staff, and course schedules due to constrained space and impeded safety lanes will affect the integrity of assigned courses, adversely affecting the training capability to instruct which is a vital mission requirement for the warfighter.</p> <p><u>ADDITIONAL:</u> Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the best method to satisfy the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.</p>					
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Date Design Started.....					NOV 2015

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Joint Base Langley-Eustis Virginia	4. PROJECT TITLE Aircraft Maintenance Instructional Bldg
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 17134	7. PROJECT NUMBER 77779	8. PROJECT COST (\$000) Approp 34,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	<u>JAN 2017</u>
(d) Date Design Complete.....	<u>OCT 2017</u>
(e) Parametric Cost Estimating Used to Develop Costs..	<u>YES</u>
(f) Type of Design Contract: Design-bid-build	
(2) Basis:	
(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Joint Base Langley-Eustis	
(c) Percentage of Design utilizing Standard Design ...	<u>80</u>
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	<u>1,901</u>
(b) All Other Design Costs.....	<u>1,024</u>
(c) Total Design Cost.....	<u>2,925</u>
(d) Contract.....	<u>2,340</u>
(e) In-house.....	<u>585</u>
(4) Construction Contract Award.....	<u>APR 2018</u>
(5) Construction Start.....	<u>JUN 2018</u>
(6) Construction Completion.....	<u>JUN 2020</u>

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

Installation Engineer
Phone Number: 757-878-3509

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1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 24 APR 2017			
3. INSTALLATION AND LOCATION Joint Base Myer-Henderson Virginia			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 1.02				
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL		
A. AS OF 31 OCT 2016		132	1850	618	0	0	0	100	425	1394	4,519	
B. END FY 2022		139	1857	548	0	0	0	100	425	1281	4,350	
7. INVENTORY DATA (\$000)												
A. TOTAL AREA..... 563 ha (1,391 AC)												
B. INVENTORY TOTAL AS OF 05 OCT 2016..... 1,245,395												
C. AUTHORIZATION NOT YET IN INVENTORY..... 0												
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM..... 20,000												
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM..... 0												
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY)..... 0												
G. REMAINING DEFICIENCY..... 137,884												
H. GRAND TOTAL..... 1,403,279												
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:												
CAT							COST	DESIGN STATUS				
CODE	PROJECT TITLE	SCOPE/UM				(\$000)	START	COMPLETE				
87210	Security Fence	1.00/EA(1.00/EA)				20,000	09/2016	10/2017				
TOTAL						20,000						
9. FUTURE PROJECT APPROPRIATIONS:												
CATEGORY							COST					
CODE	PROJECT TITLE					(\$000)						
A. INCLUDED IN THE FY 2019 PROGRAM: NONE												
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE												
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): N/A												
10. MISSION OR MAJOR FUNCTIONS:												
Joint Base-Myer Henderson Hall (JBHH) synchronizes, integrates, and delivers installation services while sustaining facilities in support of Joint Force Headquarters-National Capital Region (JFHQ-NCR/MDW & JTF-NCR), the Military District of Washington and the JBM-HH community in order to enable a ready and resilient Joint Force. On order, supports JFHQ-NCR/MDW & JTF-NCR homeland defense, defense support of civil authorities, and other contingency operations in the NCR.												
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:												
						(\$000)						
A. AIR POLLUTION							0					
B. WATER POLLUTION							0					
C. OCCUPATIONAL SAFETY AND HEALTH							0					

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Joint Base Myer-Henderson Hall Virginia				4. PROJECT TITLE Security Fence		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 87210	7. PROJECT NUMBER 89235		8. PROJECT COST (\$000) Approp 20,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						7,414
87210 High Security Ornamental Fence		EA	1 --		6143097	(6,143)
88040 IDS Installation		LS	--		--	(771)
00000 Cyber-security Measures		LS	--		--	(500)
<u>SUPPORTING FACILITIES</u>						10,716
Electric Service		LS	--		--	(3,607)
Paving, Walks, Curbs And Gutters		LS	--		--	(4,256)
Storm Drainage		LS	--		--	(631)
Site Imp(2,222) Demo()		LS	--		--	(2,222)
ESTIMATED CONTRACT COST						18,130
CONTINGENCY (5.00%)						907
SUBTOTAL						19,037
SUPV, INSP & OVERHEAD (5.70%)						1,085
TOTAL REQUEST						20,122
TOTAL REQUEST (ROUNDED)						20,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a security fence with entry gates and intrusion detection system (IDS) installation along Joint Base Myer-Henderson Hall's (JBM-HH) shared boundary with Arlington National Cemetery (ANC). Supporting facilities include relocation of existing utilities along the fence route as necessary, electrical, paving, walks, curbs, and gutters, storm drainage, and site improvements. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided.						
11. REQ: 1 EA		ADQT: NONE		SUBSTD: NONE		
PROJECT: Construct a Security Fence at Joint Base Myer-Henderson Hall (JBM-HH), Virginia. (Current Mission)						
REQUIREMENT: This project is required to provide a protective fence and associated entry gates that meet current antiterrorism and force protection standards to secure the perimeter along its boundary with Arlington National Cemetery (ANC). A significant part of the JBM-HH perimeter is not defined by a protective barrier or security fence designed to stop intruders. Existing security lighting shall be relocated for functional placement relative to the new security fence. Underground utilities which interfere with placement of the new fence must be relocated within the scope of this project. Existing installation intrusion detection system cameras and poles will be relocated as required based on optimal placement relative to the new fence.						
CURRENT SITUATION: Currently a security vulnerability exists at JBM-HH due to the lack of security fencing along the boundary between JBM-HH and ANC. The existing low stone						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Joint Base Myer-Henderson Hall Virginia	4. PROJECT TITLE Security Fence
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 87210	7. PROJECT NUMBER 89235	8. PROJECT COST (\$000) Approp 20,000
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CURRENT SITUATION: (CONTINUED)
 wall on the ANC property line does not meet Army AT/FP standards and is not a functional deterrent to intruders. Visitors to ANC can enter JBM-HH by climbing over the stone wall at various points which are not monitored.

IMPACT IF NOT PROVIDED: If this project is not provided JBM-HH cannot provide perimeter security nor meet Anti-Terrorism/Force Protection (AT/FP) requirements, resulting in continued exposure to an increased risk of terrorist attack or criminal activity. The installation will continue to expend manpower and other resources to mitigate the vulnerability of installation access control.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	SEP 2016
(b) Percent Complete as of January 2017.....	15.00
(c) Date 35% Designed.....	FEB 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	1,186
(b) All Other Design Costs.....	368
(c) Total Design Cost.....	1,554
(d) Contract.....	1,010
(e) In-house.....	544

(4) Construction Contract Award..... MAY 2018

(5) Construction Start..... JUL 2018

(6) Construction Completion..... JAN 2020

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Joint Base Myer-Henderson Hall Virginia	4. PROJECT TITLE Security Fence
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 87210	7. PROJECT NUMBER 89235	8. PROJECT COST (\$000) Approp 20,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NONE			

Installation Engineer
Phone Number: 703-696-8104

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Washington		Joint Base Lewis-McChord (IMCOM)				133
	61147	Confinement Facility	66,000	66,000	C	135
		Yakima Training Center				
	55199	Fire Station	19,500	19,500	C	139
		Subtotal Joint Base Lewis-McChord Part I	----- \$ 85,500	----- 85,500		
		* TOTAL MCA FOR Washington	\$ 85,500	85,500		
** TOTAL INSIDE THE UNITED STATES FOR MCA			\$ 540,900	645,024		

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1. COMPONENT ARMY	FY 2018 MILITARY CONSTRUCTION PROGRAM									2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Joint Base Lewis-McChord Washington			4. COMMAND US Army Installation Management Command						5. AREA CONSTRUCTION COST INDEX 1.14		
6. PERSONNEL STRENGTH:	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL		
A. AS OF 31 OCT 2016	5233	25996	6008	20	270	0	1721	7334	8637	55,219	
B. END FY 2022	5037	25102	5942	18	299	0	1721	7334	8083	53,536	
7. INVENTORY DATA (\$000)											
A. TOTAL AREA..... 175,904 ha (434,668 AC)											
B. INVENTORY TOTAL AS OF 11,438,981											
C. AUTHORIZATION NOT YET IN INVENTORY..... 655,319											
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM..... 85,500											
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM..... 0											
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY)..... 0											
G. REMAINING DEFICIENCY..... 1,711,026											
H. GRAND TOTAL..... 13,890,826											
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:											
CAT							COST	DESIGN STATUS			
CODE	PROJECT TITLE				SCOPE/UM		(\$000)	START	COMPLETE		
73010	Fire Station				30,633.00/SF(2845.90/m2)		19,500	01/2016	10/2017		
73015	Confinement Facility				87,620.00/SF(8140.16/m2)		66,000	04/2016	06/2018		
TOTAL							85,500				
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE				(\$000)						
A. INCLUDED IN THE FY 2019 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A				
10. MISSION OR MAJOR FUNCTIONS:											
I Corps: On order, deploy to conduct operations across the military spectrum of conflict as a Joint Force Headquarters (Joint Task Force, Combined or Multi-National/Joint Force Land Component Command) or as an Army Corps. Maintain trained and ready forces for Combatant Commanders worldwide. Team Lewis-McChord: Operate a state-of-the-art power generation platform for warfighters by providing them with superior training support and infrastructure. Train, deploy, and redeploy ready forces. Support the Transformation of I Corps and Joint Base Lewis-McChord. Maintain the well-being of our Soldiers, civilians, retirees, and their families.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
							(\$000)				
A. AIR POLLUTION							0				
B. WATER POLLUTION							0				
C. OCCUPATIONAL SAFETY AND HEALTH							0				

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Joint Base Lewis-McChord Washington				4. PROJECT TITLE Confinement Facility		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 73015	7. PROJECT NUMBER 61147		8. PROJECT COST (\$000) Approp 66,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						40,742
73015 Confinement Facility		m2 (SF)	8,140 (87,620)		4,360	(35,494)
81160 Standby Generator		EA	1 --		467,219	(467)
88020 IDS and CCTV Installation		LS	--		--	(1,475)
89220 EMCS Connection		LS	--		--	(146)
00000 Cyber Security Measures		LS	--		--	(1,000)
Total from Continuation page(s)						(2,160)
<u>SUPPORTING FACILITIES</u>						16,660
Electric Service		LS	--		--	(5,208)
Water, Sewer, Gas		LS	--		--	(886)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,823)
Storm Drainage		LS	--		--	(750)
Site Imp(5,773) Demo(1,912)		LS	--		--	(7,685)
Information Systems		LS	--		--	(308)
ESTIMATED CONTRACT COST						57,402
CONTINGENCY (5.00%)						2,870
SUBTOTAL						60,272
SUPV, INSP & OVERHEAD (5.70%)						3,436
DESIGN/BUILD-DESIGN COST (4.00%)						2,411
TOTAL REQUEST						66,119
TOTAL REQUEST (ROUNDED)						66,000
INSTALLED EQT-OTHER APPROP						(7,727)
10. Description of Proposed Construction Construct a Level II, medium security with minimum custody, Joint Regional Confinement Facility (RCF). Primary facilities include a 150 person confinement facility with vocational and recreational areas, standby generator, Intrusion Detection System (IDS) installation, Energy Monitoring and Control System (EMCS) connection, Closed Circuit Television (CCTV) surveillance capability, and Building Information Systems. Building Information Systems, IDS installation, EMCS connection, and antiterrorism measures for this project are unique in nature and not included in the unit cost of the building. An integrated perimeter security fencing system will also be provided. Recreational areas will include basketball courts, a running track and an all-purpose athletic field. Supporting facilities include all utilities, site improvements, paving, walks, curbs and gutters, parking, street lighting, storm drainage and information systems. Heating will be provided by self-contained units. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Demolish 16 buildings at Joint Base Lewis-McChord, WA (Total 10,106 m2/108,775 SF). Air						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Joint Base Lewis-McChord Washington				4. PROJECT TITLE Confinement Facility		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 73015	7. PROJECT NUMBER 61147		8. PROJECT COST (\$000) Approp 66,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)						
Sustainability/Energy Measures		LS	--	--	(721)	
Antiterrorism Measures		LS	--	--	(721)	
Building Information Systems		LS	--	--	(718)	
					Total 2,160	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
Conditioning (Estimated 879 kW _r /250 Tons).						
11. REQ: 8,140 m2 ADQT: NONE SUBSTD: 4,223 m2						
PROJECT: Construct a Confinement Facility at Joint Base Lewis-McChord (JBLM), Washington. (Current Mission)						
REQUIREMENT: Provide a safe and secure environment supporting the incarceration of U.S. Military Prisoners while protecting Army Communities and contributing to the good order and discipline of the Army. A new RCF in the Northwest is required to ensure the Army Corrections System (ACS) meets future demands while modernizing its facilities to current standards and provides Commanders with corrections capabilities. The mission also includes operating a rehabilitation-focused ACS that combines effective transitional vocational training with focused treatment programs. Military prisoners are prepared for their eventual release as productive Soldiers or law-abiding citizens.						
CURRENT SITUATION: The current facilities require excessive maintenance and continual modernization to meet changing standards since being built in 1957. The facilities are also undersized for the current incarcerated population. National accreditation is routinely in jeopardy. Overcrowding has gotten worse since the Navy closed their Brig at Submarine Base Bangor, WA. The correctional facility at JBLM is the only facility available to house military prisoners in the Northwestern United States. The quantity and comprehensive nature of physical deficiencies make repair or modernization unfeasible. The most serious deficiencies include the use of open bays, a lack of segregation cells, insufficient day rooms and recreational space as well as poor ventilation and lighting. Total floor space per prisoner standards are not met and the noise levels are noticeably high. These deficiencies cannot be corrected through renovation since the facility is severely outdated.						
IMPACT IF NOT PROVIDED: If this project is not provided, the Army and JBLM will not be able to support the joint strategy of centrally locating regional Level II (medium security) correctional centers. The Army will continue to operate a facility that is overcrowded, antiquated, inefficient and resource intensive.						
ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Joint Base Lewis-McChord Washington	4. PROJECT TITLE Confinement Facility
--	--

5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 73015	7. PROJECT NUMBER 61147	8. PROJECT COST (\$000) Approp 66,000
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ADDITIONAL: (CONTINUED)
will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:	
(a) Date Design Started.....	APR 2016
(b) Percent Complete as of January 2017.....	15.00
(c) Date 35% Designed.....	OCT 2017
(d) Date Design Complete.....	JUN 2018
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	
(2) Basis:	
(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Sembach Kaserne	
(c) Percentage of Design utilizing Standard Design ...	25
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	3,101
(b) All Other Design Costs.....	1,669
(c) Total Design Cost.....	4,770
(d) Contract.....	3,816
(e) In-house.....	954
(4) Construction Contract Award.....	JAN 2018
(5) Construction Start.....	JUN 2018
(6) Construction Completion.....	FEB 2021

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Joint Base Lewis-McChord Washington	4. PROJECT TITLE Confinement Facility
--	--

5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 73015	7. PROJECT NUMBER 61147	8. PROJECT COST (\$000) Approp 66,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Laundry, food service, safety	OPA	2019	5,702
CCTV	OPA	2019	1,066
IDS Equipment	OPA	2019	300
Info Sys - ISC	OPA	2019	659
Total			<u>7,727</u>

Installation Engineer

Phone Number: 253-967-3191

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Yakima Training Center Washington (Joint Base Lewis-McChord)				4. PROJECT TITLE Fire Station		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 73010	7. PROJECT NUMBER 55199		8. PROJECT COST (\$000) Approp 19,500	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						14,220
73010 Fire Station		m2 (SF)	2,846 (30,633)		4,671	(13,293)
81160 Standby Generator		LS	--		--	(153)
00000 Cyber Security Measures		LS	--		--	(500)
Sustainability/Energy Measures		LS	--		--	(274)
SUPPORTING FACILITIES						3,530
Electric Service		LS	--		--	(258)
Water, Sewer, Gas		LS	--		--	(261)
Paving, Walks, Curbs And Gutters		LS	--		--	(675)
Storm Drainage		LS	--		--	(274)
Site Imp(653) Demo(1,295)		LS	--		--	(1,948)
Information Systems		LS	--		--	(114)
ESTIMATED CONTRACT COST						17,750
CONTINGENCY (5.00%)						888
SUBTOTAL						18,638
SUPV, INSP & OVERHEAD (5.70%)						1,062
TOTAL REQUEST						19,700
TOTAL REQUEST (ROUNDED)						19,500
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a standard design two company headquarters fire station with additional structural apparatus bays. This facility will include apparatus bays, residential areas, administration areas, training areas, building information systems, fire protection and alarm systems, a standby generator, and Energy Monitoring Control Systems (EMCS) connection. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by a self-contained system. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Demolish 1 building at Joint Base Lewis-McChord, WA (Total 3,752 m2/40,385 SF), and 1 building at Yakima Training Center, WA (Total 458 m2/4,928 SF).						
11. REQ: 2,846 m2		ADQT: NONE		SUBSTD: 458 m2		
PROJECT: Construct a Fire Station at Joint Base Lewis-McChord, Washington. (Current Mission)						
REQUIREMENT: This project is required to provide adequate facilities to support Fire						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017
3. INSTALLATION AND LOCATION Yakima Training Center Washington (Joint Base Lewis-McChord)		4. PROJECT TITLE Fire Station		
5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 73010	7. PROJECT NUMBER 55199	8. PROJECT COST (\$000) Approp 19,500	
<u>REQUIREMENT: (CONTINUED)</u>				
<p>Department operations at Yakima Training Center (YTC). These operations include fire protection and emergency response services for base facilities, down range fires, and other local customers since the nearest other facility available for response in the area is 30 minutes away under ideal conditions. This fire station will replace the existing Korean War era wood facility in a new location that improves aggregate response times, time elapsed from the receipt of the emergency alarm to when the units arrive on the scene.</p>				
<p><u>CURRENT SITUATION:</u> Currently YTC's two-Company Fire Department protects over 500 square miles of training ranges and maneuver areas divided into four demand zones, where responses extend from 20-60 minutes. They are housed in a 4,928 SF wood framed facility that was constructed in 1952 for a one-company fire department. The current fire station lacks adequate training room, day room, and shop maintenance rooms. It has outdated ventilation, vehicle exhaust system, lighting, amenities, and an iron plate is strapped to the cracked main wood beam that holds the roof in the high bay area. The emergency vehicles for range fires are housed in an area without cover or protection against harsh winds, snow, and freezing temperatures. YTC's Fire Department cannot meet its authorized staffing requirements due to the fire station's deficiencies. This means firefighters are responding to emergency incidents with inadequate personnel, which places lives, property and resources at greater risk. For example, in July 2014, maneuver training caused a wildfire that burned roughly 23K acres in training areas. When this fire left the installation, it destroyed three homes and three Auvil Fruit Company structures. The addition of new activities in remote sections of the installation have extended response times beyond what is considered safe, well surpassing the 7 minute aggregate response time requirements. These activities consist of live fire training ranges and maneuver areas occupied by thousands of Service Members who train in remote areas of YTC. The nearest mutual aid fire station available for response to this area is 30 minutes away under ideal conditions. Therefore, the potential for loss of life in an emergency situation is of real concern.</p>				
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, these continued deficiencies will delay offensive firefighting and if not corrected loss of life and property could occur. Firefighters cannot respond to emergencies down range in the requisite time period, which delays suppression, lifesaving responses, and increases the risk to life, health and safety.</p>				
<p><u>ADDITIONAL:</u> Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.</p>				

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Yakima Training Center Washington (Joint Base Lewis-McChord)	4. PROJECT TITLE Fire Station
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 73010	7. PROJECT NUMBER 55199	8. PROJECT COST (\$000) Approp 19,500
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:	
(a) Date Design Started.....	JAN 2016
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	
(2) Basis:	
(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Fort Carson	
(c) Percentage of Design utilizing Standard Design ...	90
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)	
(a) Production of Plans and Specifications.....	831
(b) All Other Design Costs.....	447
(c) Total Design Cost.....	1,278
(d) Contract.....	1,022
(e) In-house.....	256
(4) Construction Contract Award.....	MAR 2018
(5) Construction Start.....	MAY 2018
(6) Construction Completion.....	MAY 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Yakima Training Center Washington (Joint Base Lewis-McChord)	4. PROJECT TITLE Fire Station
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 73010	7. PROJECT NUMBER 55199	8. PROJECT COST (\$000) Approp 19,500
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Installation Engineer
Phone Number: 253-967-3191

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----	NEW/ CURRENT MISSION	PAGE -----
Germany		Germany Various (IMCOM)				145
		Lucius D Clay Kaserne				
	86991	Administrative Building Stuttgart	43,000	43,000	C	147
	86959	Commissary	40,000	40,000	C	150
		Subtotal Germany Various Part I	\$ 83,000	83,000		
		* TOTAL MCA FOR Germany	\$ 83,000	83,000		

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1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM								2. DATE 24 APR 2017		
3. INSTALLATION AND LOCATION Germany Various Germany				4. COMMAND US Army Installation Management Command						5. AREA CONSTRUCTION COST INDEX 1.05		
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL		
A. AS OF 31 OCT 2016		4448	17695	12750	6	104	8	2672	5410	17482	60,575	
B. END FY 2022		4595	18778	12150	4	115	2	2620	5335	16090	59,689	
7. INVENTORY DATA (\$000)												
A. TOTAL AREA.....		46,219 ha		(114,210 AC)								
B. INVENTORY TOTAL AS OF 30 JUN 2016.....							45,041,615					
C. AUTHORIZATION NOT YET IN INVENTORY.....							1,678,501					
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....							83,000					
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....							21,000					
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0					
G. REMAINING DEFICIENCY.....							1,875,515					
H. GRAND TOTAL.....							48,699,631					
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:												
CAT							COST	DESIGN		STATUS		
CODE	PROJECT TITLE	SCOPE/UM				(\$000)	START	COMPLETE				
74021	Commissary	73,815.00/SF(6857.63/m2)				40,000	05/2015	10/2017				
61050	Administrative Building	93,884.00/SF(8722.11/m2)				43,000	05/2015	10/2017				
						TOTAL	83,000					
9. FUTURE PROJECT APPROPRIATIONS:												
CATEGORY							COST					
CODE	PROJECT TITLE					(\$000)						
A. INCLUDED IN THE FY 2019 PROGRAM:												
17213	Mission Training Complex					21,000						
						TOTAL	21,000					
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE												
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): N/A												
10. MISSION OR MAJOR FUNCTIONS:												
Installations support US Army, Europe and Seventh Army (USAREUR), a trained and ready force capable of rapidly responding and operating jointly in support of US European Command (EUCOM) theater strategy. Installations serve as a base for projecting power in and out of the EUCOM area of responsibility by providing facilities for training, maintaining, housing, and supporting USAREUR's subordinate and supporting units/organizations.												
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:												
						(\$000)						
A. AIR POLLUTION							0					
B. WATER POLLUTION							0					
C. OCCUPATIONAL SAFETY AND HEALTH							0					

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Lucius D Clay Kaserne Germany (Germany Various)				4. PROJECT TITLE Administrative Building		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 61050	7. PROJECT NUMBER 86991		8. PROJECT COST (\$000) Approp 43,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						34,122
61050 Administrative, General Purpose		m2 (SF)	8,722 (93,884)		2,744	(23,932)
00000 Cyber Security Measures		LS	--		--	(1,000)
82210 Heating Lines		LS	--		--	(1,755)
85110 Interior Access Road		LS	--		--	(4,782)
Sustainability/Energy Measures		LS	--		--	(531)
Building Information Systems		LS	--		--	(2,122)
SUPPORTING FACILITIES						4,607
Electric Service		LS	--		--	(181)
Water, Sewer, Gas		LS	--		--	(94)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,744)
Storm Drainage		LS	--		--	(566)
Site Imp(1,797) Demo()		LS	--		--	(1,797)
Information Systems		LS	--		--	(225)
ESTIMATED CONTRACT COST						38,729
CONTINGENCY (5.00%)						1,936
SUBTOTAL						40,665
SUPV, INSP & OVERHEAD (6.50%)						2,643
TOTAL REQUEST						43,308
TOTAL REQUEST (ROUNDED)						43,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct an administrative building to include administrative areas, training/conference areas, an Emergency Operations Center, storage, and mail distribution. Construction includes installation of an Intrusion Detection System (IDS) installation, Energy Monitoring Control System (EMCS) connection, and building information systems. Work also includes construction of an interior access road. Building information systems for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include site development, fencing, utilities and connections, information systems, lighting, paving, parking, walks, curbs, gutters, storm drainage, landscaping, and signage. The host nation has a renewable-energy-heat law requiring that 50% of the heat requirement for new buildings be provided from renewable energies. A high temperature hot water heat line will be extended to connect a German owned/operated bio-mass energy plant, using 100% renewable fuel, to provide building heat. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Air Conditioning (Estimated 879 kW/250 Tons).						
11. REQ: 123,612 m2		ADQT: 60,197 m2		SUBSTD: 54,070 m2		

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017
3. INSTALLATION AND LOCATION Lucius D Clay Kaserne Germany (Germany Various)			4. PROJECT TITLE Administrative Building		
5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 61050	7. PROJECT NUMBER 86991	8. PROJECT COST (\$000) Approp 43,000		
<p><u>PROJECT:</u> Construct an Administrative Building at Lucius D. Clay Kaserne, Germany. (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to support the European Infrastructure Consolidation (EIC). The EIC has identified numerous stationing initiatives which must be accomplished on U.S. Military installations in Europe. As part of this initiative the U.S. Army Corps of Engineers (USACE) Europe District office is being relocated from the Amelia Earhart Center, Wiesbaden, Germany to Lucius D. Clay Kaserne, Wiesbaden, Germany.</p> <p><u>CURRENT SITUATION:</u> The USACE Europe District has occupied the Amelia Earhart Center in Wiesbaden since 1995 when the building was converted to administrative space. It was originally constructed in 1956 as part of the Air Force Hospital complex to provide dormitory space for nurses and later became the Amelia Earhart Hotel. The Amelia Earhart Center is the last structure remaining under U.S. Army control as all of the remaining buildings of the original hospital complex have been returned to the host nation. Currently, the facility has significant infrastructure issues and lacks adequate antiterrorism/force protection measures. This project will relocate the USACE Europe District personnel to a new building on the northern part of Lucius D. Clay Kaserne. The existing Amelia Earhart Center will be returned to the host nation once all occupants have vacated.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the USACE Europe District will be unable to vacate the Amelia Earhart Center. Savings from this portion of the European Infrastructure Consolidation cannot be realized as long as USACE remains in the AEC while U.S. Army Europe continues to operate and maintain the facility. Personnel who work in the AEC will continue to be exposed to a higher risk due to the lack of adequate antiterrorism/force protection measures.</p> <p><u>ADDITIONAL:</u> Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.</p> <p><u>NATO SECURITY INVESTMENT:</u> This project is not within an established NATO infrastructure category of common funding nor is it expected to become eligible in the foreseeable future.</p>					
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Date Design Started.....					MAY 2015
(b) Percent Complete as of January 2017.....					35.00

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Lucius D Clay Kaserne Germany (Germany Various)	4. PROJECT TITLE Administrative Building
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 61050	7. PROJECT NUMBER 86991	8. PROJECT COST (\$000) Approp 43,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	2,369
(b) All Other Design Costs.....	148
(c) Total Design Cost.....	2,517
(d) Contract.....	1,925
(e) In-house.....	592

(4) Construction Contract Award..... FEB 2018

(5) Construction Start..... APR 2018

(6) Construction Completion..... SEP 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

Installation Engineer
Phone Number: 011-49-6221-4380-310

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Stuttgart Germany (Germany Various)				4. PROJECT TITLE Commissary		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 74021	7. PROJECT NUMBER 86959		8. PROJECT COST (\$000) Approp 40,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						23,974
74021 Commissary		m2 (SF)	6,858 (73,815)		2,695	(18,478)
85218 Elevated Parking Deck		m2 (SF)	5,407 (58,200)		667.04	(3,607)
84330 Fire Tank/Pumps		EA	1 --		354,635	(355)
81160 Standby Generator		EA	1 --		54,250	(54)
74021 Special Foundations		m3 (CY)	1,915 (2,505)		108.12	(207)
Total from Continuation page(s)						(1,273)
SUPPORTING FACILITIES						11,454
Electric Service		LS	--		--	(490)
Water, Sewer, Gas		LS	--		--	(533)
Steam/Chilled Water Distribution		LS	--		--	(857)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,901)
Storm Drainage		LS	--		--	(1,486)
Site Imp(4,673) Demo(1,219)		LS	--		--	(5,892)
Information Systems		LS	--		--	(172)
Antiterrorism Measures		LS	--		--	(123)
ESTIMATED CONTRACT COST						35,428
CONTINGENCY (5.00%)						1,771
SUBTOTAL						37,199
SUPV, INSP & OVERHEAD (6.50%)						2,418
TOTAL REQUEST						39,617
TOTAL REQUEST (ROUNDED)						40,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a Commissary that includes an elevated parking deck, fire tank/pump, building information systems, special foundations and a standby generator. The retail area will be complete with a sales area, including a general sales and a "Grab & Go" area. Specialty areas for checkout, receiving, loading dock, meat and produce preparation, cold and freeze storage will also be provided. Mechanical ventilation will be used where required. Heat recovery is to be used, where possible and backed up by a self-contained system. Reclaim of cold air spill over from Commissary display cases will be used in conjunction with the air conditioning system. Construction will include a refrigeration support system with automatic monitoring control systems. Building information systems for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include all required utilities, communications and alarms, power, pavement, curb and gutter, sidewalks, storm drainage, landscaping, vehicle parking and other site improvements. Heating and air conditioning will be provided by a self-contained unit. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Demolish 1 building at Panzer Kaserne,						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Stuttgart Germany (Germany Various)				4. PROJECT TITLE Commissary		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 74021	7. PROJECT NUMBER 86959	8. PROJECT COST (\$000) Approp 40,000		
<u>9. COST ESTIMATES (CONTINUED)</u>						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY (CONTINUED)</u>						
00000 Cyber Security Measures		LS	--	--	(750)	
Sustainability/Energy Measures		LS	--	--	(390)	
Building Information Systems		LS	--	--	(133)	
					Total 1,273	
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>						
GY (Total 528 m2/5,687 SF), and 1 building at Patch Barracks, GY (Total 5,978 m2/64,350 SF). Air Conditioning (Estimated 774 kW _r /220 Tons).						
<u>11. REQ:</u> 6,858 m2 <u>ADQT:</u> NONE <u>SUBSTD:</u> 13,918 m2						
<u>PROJECT:</u> Construct a Commissary at Panzer Kaserne, Germany. (Current mission)						
<u>REQUIREMENT:</u> This project is required to support the European Infrastructure Consolidation (EIC). The EIC has identified numerous restationing initiatives which must be accomplished on U.S. Military installations in Europe. As part of this initiative, a Commissary must be built to provide adequate service to authorized patrons. The commissary must accommodate the resulting population growth at Panzer Kaserne. The new Commissary will also replace smaller, community sized facilities at locations impacted by closure.						
<u>CURRENT SITUATION:</u> The Stuttgart military community is currently served by four separate commissaries located on geographically separate military installations. The four existing commissary stores were originally constructed between twenty five and forty years ago. They vary in size from a store of 43,699 SF on Patch Barracks, to a small annex on Panzer Kaserne of 5,687 SF. All are in failing or in substandard condition. While Robinson and Patch Barracks were constructed years ago as commissaries, Kelley Barracks and Panzer are re-purposed facilities. All Stuttgart commissaries are not configured to current Defense Commissary Agency (DeCA) standards and lack adequate sizing to meet customer expectations. They also require excessive maintenance and are expensive to heat and cool. Parking is minimal at all four locations. The existing commissaries fail to meet the customer requirements.						
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided adequate commissary support for the authorized population will not be available. This will result in customer dissatisfaction and contribute to lower morale. The effects will ultimately degrade DECA's ability to provide high quality facilities and services to military members and their families.						
<u>ADDITIONAL:</u> Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Stuttgart Germany (Germany Various)	4. PROJECT TITLE Commissary
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 74021	7. PROJECT NUMBER 86959	8. PROJECT COST (\$000) Approp 40,000
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ADDITIONAL: (CONTINUED)
project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.
NATO SECURITY INVESTMENT: This project is not within an established NATO infrastructure category of common funding nor is it expected to become eligible in the foreseeable future.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	MAY 2015
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Fort Carson	
(c) Percentage of Design utilizing Standard Design ...	70

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	1,837
(b) All Other Design Costs.....	1,194
(c) Total Design Cost.....	3,031
(d) Contract.....	2,009
(e) In-house.....	1,022

(4) Construction Contract Award..... FEB 2018

(5) Construction Start..... MAR 2018

(6) Construction Completion..... MAR 2020

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Stuttgart Germany (Germany Various)	4. PROJECT TITLE Commissary
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 74021	7. PROJECT NUMBER 86959	8. PROJECT COST (\$000) Approp 40,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NA			

Installation Engineer
Phone Number:

011-49-6221-4380-310

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	NEW/ CURRENT	PAGE
-----	NUMBER	----- PROJECT TITLE -----	REQUEST	REQUEST	MISSION	-----
Korea		Korea Various (IMCOM)				157
		Kunsan Air Base				
	81359	Unmanned Aerial Vehicle Hangar	53,000	53,000	C	159
		Subtotal Korea Various Part I	\$ 53,000	53,000		
		* TOTAL MCA FOR Korea	\$ 53,000	53,000		

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1. COMPONENT ARMY	FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 24 APR 2017		
3. INSTALLATION AND LOCATION Korea Various Korea			4. COMMAND US Army Installation Management Command				5. AREA CONSTRUCTION COST INDEX 1.12			
6. PERSONNEL STRENGTH:	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016	3217	18811	9240	0	82	0	1651	6332	8668	48,001
B. END FY 2022	3463	20596	8799	0	95	0	1698	6337	7259	48,247
7. INVENTORY DATA (\$000)										
A. TOTAL AREA..... 7,876 ha (19,461 AC)										
B. INVENTORY TOTAL AS OF 30 JUN 2016.....							13,576,155			
C. AUTHORIZATION NOT YET IN INVENTORY.....							1,159,406			
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....							53,000			
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....							97,400			
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0			
G. REMAINING DEFICIENCY.....							2,321,633			
H. GRAND TOTAL.....							17,207,594			
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:										
CAT							COST		DESIGN STATUS	
CODE	PROJECT TITLE			SCOPE/UM			(\$000)	START	COMPLETE	
21115	Unmanned Aerial Vehicle Hangar			52,100.00/SF(4840.25/m2)			53,000	07/2016	02/2018	
TOTAL							53,000			
9. FUTURE PROJECT APPROPRIATIONS:										
CATEGORY							COST			
CODE	PROJECT TITLE						(\$000)			
A. INCLUDED IN THE FY 2019 PROGRAM:										
87210	Forward Operating Site						31,000			
62010	Administrative Facility						17,700			
14185	Wedge-Fwd Operating Site						31,000			
14190	Wedge-Secure Ops Facility						17,700			
TOTAL							97,400			
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE										
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A			
10. MISSION OR MAJOR FUNCTIONS:										
Eighth United States Army (EUSA) exercises command and control of all assigned units. Organizes, equips, trains, and employs forces to ensure optimum readiness for combat operations. Maintains a posture of combat readiness to deter any attack upon the Republic of Korea (ROK) and if deterrence fails, conducts sustained Army, joint, and combined military operations to defeat the enemy. Provides logistical and administrative support for forces, including Headquarters, United Nations Command (HQ UNC), in order to fulfill the operational requirements of Republic of Korea - US Combined Forces Command (ROK-US CFC) and US Forces, Korea (USFK).										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:										
							(\$000)			
A. AIR POLLUTION							0			
B. WATER POLLUTION							0			
C. OCCUPATIONAL SAFETY AND HEALTH							0			

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Kunsan Air Base Korea (Korea Various)				4. PROJECT TITLE Unmanned Aerial Vehicle Hangar		
5. PROGRAM ELEMENT 22544A (MIP)		6. CATEGORY CODE 21115	7. PROJECT NUMBER 81359		8. PROJECT COST (\$000) Approp 53,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						29,984
21115 Unmanned Aerial Vehicle Hangar		m2 (SF)	4,840 (52,100)		3,188	(15,430)
44222 Aircraft Container Storage		m2 (SF)	325.16 (3,500)		1,577	(513)
21470 POL Storage Building		m2 (SF)	16.72 (180)		2,821	(47)
21470 Hazardous Waste Storage Building		m2 (SF)	11.15 (120)		2,760	(31)
89144 Fire Pump Facilities		EA	1 --		1103673	(1,104)
Total from Continuation page(s)						(12,859)
SUPPORTING FACILITIES						16,982
Electric Service		LS	--		--	(3,338)
Water, Sewer, Gas		LS	--		--	(872)
Paving, Walks, Curbs And Gutters		LS	--		--	(523)
Storm Drainage		LS	--		--	(870)
Site Imp(11,052) Demo(26)		LS	--		--	(11,078)
Information Systems		LS	--		--	(51)
Antiterrorism Measures		LS	--		--	(250)
ESTIMATED CONTRACT COST						46,966
CONTINGENCY (5.00%)						2,348
SUBTOTAL						49,314
SUPV, INSP & OVERHEAD (6.50%)						3,205
TOTAL REQUEST						52,519
TOTAL REQUEST (ROUNDED)						53,000
INSTALLED EQT-OTHER APPROP						(1,452)
10. Description of Proposed Construction Construct a standard design Unmanned Aerial Vehicle (UAV) Hangar and relocate the Air Defense Artillery Battalion (ADA) facilities. The UAV hangar includes an operations and maintenance hangar with shops, supply and storage space, company administration, tools and parts storage, bridge crane, oil/water separator, petroleum/oil/lubricant storage, hazardous waste storage, aircraft container storage, organizational vehicle parking, fire pump facilities, guard booth, building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection. Work also includes a taxiway and a hangar access apron. ADA facilities include the fighting positions/revetments, missile resupply area, ready building/Command Post, Battery Command Post area, safety shelter, and ground support equipment area. Special Foundations are required. Building information systems for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include site development, site improvements, utilities connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self-contained units. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Kunsan Air Base Korea (Korea Various)	4. PROJECT TITLE Unmanned Aerial Vehicle Hangar
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5. PROGRAM ELEMENT 22544A (MIP)	6. CATEGORY CODE 21115	7. PROJECT NUMBER 81359	8. PROJECT COST (\$000) Approp 53,000
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9. COST ESTIMATES (CONTINUED)

ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
85225 Ground Based Missile Equip Area	m2 (SY)	14,374 (17,191)	48.84	(702)
11340 Hangar Access Apron	m2 (SY)	2,433 (2,910)	107.32	(261)
11212 Fixed Wing Taxiway	m2 (SY)	1,888 (2,258)	126.33	(239)
85210 Organizational Vehicle Parking	m2 (SY)	8,561 (10,239)	92.01	(788)
14925 Fighting Positions	EA	8 --	506,426	(4,051)
14915 Missile Resupply Area ADA	EA	1 --	629,503	(630)
14132 Ready Building/Command Post-ADA	m2 (SF)	163.97 (1,765)	3,487	(572)
85110 Battery Command Post Area	m2 (SY)	2,414 (2,887)	48.47	(117)
14181 Safety Shelter	EA	2 --	150,274	(301)
14113 Guard Booth	m2 (SF)	11.15 (120)	11,707	(131)
00000 Special Foundations	LS	--	--	(1,944)
00000 Cyber Security Measures	LS	--	--	(1,500)
Sustainability/Energy Measures	LS	--	--	(470)
Building Information Systems	LS	--	--	(1,153)
Total				12,859

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Demolish 1 building at Various Worldwide Locations, WW (Total 164 m2/1,765 SF). Air Conditioning (Estimated 475 kW/135 Tons).

11. REQ: 4,840 m2 ADQT: NONE SUBSTD: NONE
PROJECT: Construct an Unmanned Aerial Vehicle Hangar, Worldwide Various. (Current Mission)

REQUIREMENT: These facilities are required to support the stationing of a single company divisional level asset for operations, maintenance, and storage of an unmanned aircraft system. This company provides critical support to the Combat Aviation Brigade and will also enable increased Intelligence, Surveillance, and Reconnaissance (ISR) capabilities.

CURRENT SITUATION: Currently, no facilities exist to house the Unmanned Aerial Systems Company and its associated equipment. The existing hangar assets are fully utilized. The bed down of the Unmanned Aircraft Systems requires relocation of the existing Air Defense Artillery Battalion facilities.

IMPACT IF NOT PROVIDED: If this project is not provided, adequate facilities required to support the UAV operations, maintenance, sustainment, storage, and training will not be available to support this mission. The unit would be forced to work from temporary facilities that would greatly reduce productivity, degrade training and operations, and increase the risk to valuable equipment.

ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Kunsan Air Base Korea (Korea Various)	4. PROJECT TITLE Unmanned Aerial Vehicle Hangar
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5. PROGRAM ELEMENT 22544A (MIP)	6. CATEGORY CODE 21115	7. PROJECT NUMBER 81359	8. PROJECT COST (\$000) Approp 53,000
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ADDITIONAL: (CONTINUED)
are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	JUL 2016
(b) Percent Complete as of January 2017.....	15.00
(c) Date 35% Designed.....	OCT 2017
(d) Date Design Complete.....	FEB 2018
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Fort Campbell	
(c) Percentage of Design utilizing Standard Design ...	70

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	1,346
(b) All Other Design Costs.....	724
(c) Total Design Cost.....	2,070
(d) Contract.....	1,656
(e) In-house.....	414

(4) Construction Contract Award..... MAY 2018

(5) Construction Start..... JUL 2018

(6) Construction Completion..... DEC 2020

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Kunsan Air Base Korea (Korea Various)	4. PROJECT TITLE Unmanned Aerial Vehicle Hangar
--	--

5. PROGRAM ELEMENT 22544A (MIP)	6. CATEGORY CODE 21115	7. PROJECT NUMBER 81359	8. PROJECT COST (\$000) Approp 53,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
IDS Equipment - UAS	OPA	2020	25
Equipment - UAS HGR	OPA	2020	245
Equipment - ADA	OPA	2019	10
IDS Equipment - ADA	OPA	2019	25
CCTV Equipment - ADA	OPA	2019	99
MUE - VTC Suites	OPA	2020	497
Access Control Systems UAS	OPA	2020	10
Access Control Systems ADA	OPA	2019	10
Info Sys - ISC	OPA	2019	531
		Total	<u>1,452</u>

Installation Engineer

Phone Number: 010-9191-8738

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2018
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Turkey	86832	Turkey Various (IMCOM) Forward Operating Site	6,400	6,400	C	165
		Subtotal Turkey Various Part I	----- \$ 6,400	----- 6,400		
		* TOTAL MCA FOR Turkey	\$ 6,400	6,400		
		** TOTAL OUTSIDE THE UNITED STATES FOR MCA	\$ 142,400	142,400		

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Turkey Various Turkey				4. PROJECT TITLE Forward Operating Site		
5. PROGRAM ELEMENT 01010A		6. CATEGORY CODE 14132	7. PROJECT NUMBER 86832		8. PROJECT COST (\$000) Approp 6,400	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						4,301
14132 Ready Building		m2 (SF)	445.93 (4,800)		3,360	(1,498)
44263 Vehicle Storage Building		m2 (SF)	278.71 (3,000)		3,136	(874)
44220 General Purpose Warehouse		m2 (SF)	353.03 (3,800)		2,897	(1,023)
21470 POL Storage Building		m2 (SF)	116.13 (1,250)		2,523	(293)
89111 Power Plant Building		m2 (SF)	18.58 (200)		4,183	(78)
Total from Continuation page(s)						(535)
SUPPORTING FACILITIES						1,003
Electric Service		LS	--		--	(231)
Water, Sewer, Gas		LS	--		--	(101)
Paving, Walks, Curbs And Gutters		LS	--		--	(33)
Storm Drainage		LS	--		--	(101)
Site Imp(302) Demo()		LS	--		--	(302)
Information Systems		LS	--		--	(214)
Antiterrorism Measures		LS	--		--	(21)
ESTIMATED CONTRACT COST						5,304
CONTINGENCY (10.00%)						530
SUBTOTAL						5,834
SUPV, INSP & OVERHEAD (6.50%)						379
DESIGN/BUILD-DESIGN COST (4.00%)						233
TOTAL REQUEST						6,446
TOTAL REQUEST (ROUNDED)						6,400
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct semi-permanent Life and Mission support facilities at a Missile Defense forward operating site (FOS). Primary facilities include a ready building, vehicle storage building, general purpose warehouse, POL storage, building information systems, power plant building and a prime/standby generator. Supporting facilities include site improvements, paving, parking, walks, curbs and gutters, storm drainage, information systems, antiterrorism measures, and associated utilities to the AN/TPY-2 radar unit that will be upgraded. Utilities will include prime/standby generator power, power distribution, communications and sewer collection. Building information systems and antiterrorism measures for this project are unique in nature and not included in the unit cost of the buildings. Sustainability/Energy measures will be provided. Construction shall be consistent with host-nation standards and capabilities.						
11. REQ: 1,194 m2 ADQT: NONE SUBSTD: 476 m2 PROJECT: Construct a Forward Operating Site, Turkey Various. (Current Mission) REQUIREMENT: This project is required to expand existing Life and Mission Support Area facilities for 250 U.S. and host nation Soldiers, civilians and contractors for a unit undergoing conversion from a Detachment to a Ballistic Missile Defense Battery. The project supports the operations of the AN/TPY-2 radar system, a deployed component of the Missile Defense Agency (MDA).						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Turkey Various Turkey	4. PROJECT TITLE Forward Operating Site
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5. PROGRAM ELEMENT 01010A	6. CATEGORY CODE 14132	7. PROJECT NUMBER 86832	8. PROJECT COST (\$000) Approp 6,400
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9. COST ESTIMATES (CONTINUED)

ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
81160 Prime/Standby Generator	EA	2 --	98,782	(198)
Sustainability/Energy Measures	LS	--	--	(79)
Antiterrorism Measures	LS	--	--	(72)
Building Information Systems	LS	--	--	(186)
			Total	535

CURRENT SITUATION: The location is a previously abandoned radar site on a remote, underdeveloped mountain top. Currently, deteriorating temporary rigid wall structures are being used for the unit's readiness building. The unit is without warm vehicle storage. The vehicles are exposed to harsh winter conditions, sub-zero temperatures, heavy snowfall and high winds, which persist seven months of the year. Food is stored in refrigerator vans which are nearing the end of their service life. Large quantities of supplies must be temporarily stored in distant locations because the site is inaccessible during the winter months. POL storage is similarly in temporary facilities which require replacement.

IMPACT IF NOT PROVIDED: If this project is not provided, the unit/site personnel will remain in temporary structures, which require replacement every 3-5 years at large costs. The tactical vehicles life-cycle will be reduced due to continued exposure to the harsh winter environment, refrigerator vans will require repair/replacement; and without adequate POL storage, there will be increased risk of spills/accidents which could harm personnel and the environment.

ADDITIONAL: All required physical security and antiterrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. A parametric cost estimate based upon project engineering design was used to develop this budget estimate.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Date Design Started..... MAR 2016
- (b) Percent Complete as of January 2017..... 35.00
- (c) Date 35% Designed..... JAN 2017
- (d) Date Design Complete..... OCT 2017
- (e) Parametric Cost Estimating Used to Develop Costs.. YES
- (f) Type of Design Contract: Design-build
- (g) An energy study and life cycle cost analysis will be documented during the final design.

(2) Basis:

- (a) Standard or Definitive Design: NO

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 24 APR 2017
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3. INSTALLATION AND LOCATION Turkey Various Turkey	4. PROJECT TITLE Forward Operating Site
--	--

5. PROGRAM ELEMENT 01010A	6. CATEGORY CODE 14132	7. PROJECT NUMBER 86832	8. PROJECT COST (\$000) Approp 6,400
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	410
(b) All Other Design Costs.....	220
(c) Total Design Cost.....	630
(d) Contract.....	504
(e) In-house.....	126
(4) Construction Contract Award.....	JAN 2018
(5) Construction Start.....	MAR 2018
(6) Construction Completion.....	MAR 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

Installation Engineer

Phone Number: 011-49-6221-4380-310

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DEPARTMENT OF THE ARMY
FISCAL YEAR 2018
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	NEW/ APPROPRIATION CURRENT REQUEST MISSION -----	PAGE -----
Worldwide	Various	Planning and Design (PLANDES)			
		Planning and Design Host Nation			
	81179	Host Nation Support	0	28,700	171
	81178	Planning and Design	0	72,770	173
		Subtotal Planning and Design Part I	\$ 0	101,470	
		Unspecified Minor Construction (MINOR)			
	81180	Unspecified Minor Construction	0	31,500	175
		Subtotal Unspecified Minor Construction Part I	\$ 0	31,500	
		* TOTAL MCA FOR Worldwide Various	\$ 0	132,970	
		** TOTAL WORLDWIDE FOR MCA	\$ 0	132,970	
		MILITARY CONSTRUCTION (PART I) TOTAL	\$ 683,300	920,394	

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Planning and Design Host Nation Worldwide Various (Planning and Design)				4. PROJECT TITLE Host Nation Support		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 96400	7. PROJECT NUMBER 81179		8. PROJECT COST (\$000) Approp 28,700	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						28,700
00000 Planning & Design - Host Nation		LS	--		--	(28,700)
Antiterrorism Measures		LS	--		--	(0)
SUPPORTING FACILITIES						
ESTIMATED CONTRACT COST						28,700
CONTINGENCY (0.00%)						0
SUBTOTAL						28,700
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						28,700
TOTAL REQUEST (ROUNDED)						28,700
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction This item provides for criteria development, and design and construction surveillance for projects funded by foreign nations where U.S. Forces are the sole or primary user.						
11. REQ: NA		ADQT: NA		SUBSTD: NA		NA
PROJECT: Planning and design funds.						
REQUIREMENT: This funding is required to represent U.S. interests during the planning, design, and construction of projects funded by foreign governments, when U.S. Forces are sole or primary users. The Host Nation Support funds are required to assure that the facilities provided conform to the Services' operation and mission needs, and to U.S. life safety criteria. The Army is the executive agent for the Department of Defense for Host Nation Construction in the Pacific. The programs provide nearly all the new construction in Japan, and much of the new construction in Korea. Host Nation Support funds are also used to oversee projects in Europe to include the NATO Security Investment Program (NSIP) management responsibility and the NATO funds recoupment program. The U.S. Army Corps of Engineers is responsible for providing the criteria, reviewing designs, and monitoring the construction. The three parts of the Host Nation Support effort are: Criteria Package Preparation (defines the functional requirements and specifies the health, fire, operational, functional, and life safety needs); Design Surveillance (ensures compliance with criteria packages, efficient operation and maintenance, and life safety, fire protection, and environmental compliance); Construction Surveillance (ensures conformance to design documents, reviews submittals, monitors construction						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various				4. PROJECT TITLE Planning and Design		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 96100	7. PROJECT NUMBER 81178		8. PROJECT COST (\$000) Approp 72,770	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						72,770
00000 Planning and Design		LS	--		--	(72,770)
Antiterrorism Measures		LS	--		--	(0)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						72,770
CONTINGENCY (0.00%)						0
SUBTOTAL						72,770
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						72,770
TOTAL REQUEST (ROUNDED)						72,770
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction This item provides for: parametric, concept, and final design of major and unspecified minor construction projects; value engineering; and the development of standards and criteria for Army facilities in conjunction with the Navy and Air Force.						
11. REQ: NA ADQT: NA SUBSTD: NA PROJECT: Planning and design funds. REQUIREMENT: This funding is required to provide design and engineering services for regular Military Construction, Army (MCA) and Unspecified Minor projects, including value engineering, and continued development of design criteria and standard designs (conventional functional layouts). This account is dissimilar to any other line item in the Army's MCA budget in that it is reflective of an operations expense, versus a defined scope of a single construction project. Funds will be used by the U.S. Army Corps of Engineers (USACE) districts for in-house designs, Architect-Engineer (A-E) contracts, and administrative support functions. These funds are required for accomplishment of final correction, review, reproduction and advertisement of projects in the FY 2018 program; for advancement to final design of projects in FY 2019 and for initiation of design of projects in FY 2020. The funds request for the annual planning and design requirement includes value engineering, the costs to update standards and criteria, guide specifications, technical manuals, and the cost to continue the Department of the Army (DA) Facility Standardization Program.						

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 24 APR 2017	
3. INSTALLATION AND LOCATION Minor Construction Worldwide Various				4. PROJECT TITLE Unspecified Minor Construction		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 96200	7. PROJECT NUMBER 81180		8. PROJECT COST (\$000) Approp 31,500	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						31,500
00000 Minor Construction		LS	--		--	(31,500)
Sustainability/Energy Measures		LS	--		--	(0)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						31,500
CONTINGENCY (0.00%)						0
SUBTOTAL						31,500
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						31,500
TOTAL REQUEST (ROUNDED)						31,500
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Unspecified minor construction projects which have a funded cost of \$3,000,000 or less, including construction, alteration, or conversion of permanent or temporary facilities as authorized under Title 10 USC 2805. The funded cost limit is \$4,000,000 if the project is intended solely to correct a deficiency that is life threatening, health threatening, or safety threatening. The funded cost limit is \$6,000,000 if the project is intended solely for the revitalization and recapitalization ("Laboratory Revitalization") of the laboratories under the jurisdiction of the Army. Facilities will be designed to a minimum life of 40 years in accordance with Department of Defense (DoD) Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance.						
11. REQ: NA		ADQT: NA		SUBSTD: NA		NA
PROJECT: Minor military construction, worldwide.						
REQUIREMENT: This line item is needed to provide for unspecified projects for which the need cannot reasonably be foreseen nor justified in time to be included in this Military Construction, Army program.						
CURRENT SITUATION: These urgent unforeseen projects address high national priorities such as critical mission requirements, environmental protection, health, and safety. These projects cannot wait until the next annual budget submission.						
IMPACT IF NOT PROVIDED: If not provided, the Army will not be able to address urgent and unforeseen requirements that arise during the year.						

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DEPARTMENT OF THE ARMY
OCO/ERI PROGRAM FY 2018

Part IA

CAT CODE	PROJECT NUMBER	PROJECT DESCRIPTION	NEW/CURRENT MISSION	(\$000)	PAGE NO.
<u>OCO:</u>					
Cuba - Guantanamo Bay Naval Station					
72111	91580	OCO: Barracks	Current	\$115,000	3
96100	91524	OCO: Planning & Design	Current	\$9,000	7
<u>ERI:</u>					
Worldwide Various					
96100	90352	ERI: Planning & Design	Current	\$15,700	9
		TOTAL		\$139,700	

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 14 APR 2017	
3. INSTALLATION AND LOCATION Guantanamo Bay Naval Station Cuba (Cuba Various)				4. PROJECT TITLE OCO: Barracks		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 72111	7. PROJECT NUMBER 91580		8. PROJECT COST (\$000) Approp 115,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						84,339
72111 Barracks		m2 (SF)	16,167 (174,020)		3,862	(62,443)
00000 Special Foundation		LS	--		--	(2,000)
84472 Water Pump Station		EA	2 --		109,598	(219)
84610 Storage Tank (Water)		EA	1 --		939,184	(939)
81115 Redundant Power Generator		LS	--		--	(3,762)
Total from Continuation page(s)						(14,976)
<u>SUPPORTING FACILITIES</u>						15,459
Electric Service		LS	--		--	(1,788)
Water, Sewer, Gas		LS	--		--	(2,442)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,470)
Storm Drainage		LS	--		--	(2,243)
Site Imp(4,382) Demo(2,735)		LS	--		--	(7,117)
Information Systems		LS	--		--	(399)
ESTIMATED CONTRACT COST						99,798
CONTINGENCY (5.00%)						4,990
SUBTOTAL						104,788
SUPV, INSP & OVERHEAD (6.20%)						6,497
DESIGN/BUILD-DESIGN COST (4.00%)						4,192
TOTAL REQUEST						115,477
TOTAL REQUEST (ROUNDED)						115,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct austere standard design barracks. Primary facilities include living and sleeping quarters (848 PN), information systems, fire protection and alarm systems, energy monitoring and control system connection. Work also includes special foundations, a substation upgrade, redundant power generator, water storage and pump station, a water treatment plant and Post Construction Award Services (PCAS). Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, storm drainage, information systems, landscaping and signage. The cost includes transporting all the construction materials/labor/equipment from the United States to Cuba and to provide temporary housing on site during the entire construction duration for contractor and troop personnel since there are no local alternatives. Heating and air conditioning will be provided by self-contained system. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Facilities will be designed to the DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. If a requirement for remediation of environmental contamination arises during execution of this project located outside the United States, construction funding will be used for the remediation. Remediation will be						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 14 APR 2017	
3. INSTALLATION AND LOCATION Guantanamo Bay Naval Station Cuba (Cuba Various)				4. PROJECT TITLE OCO: Barracks		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 72111	7. PROJECT NUMBER 91580		8. PROJECT COST (\$000) Approp 115,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)						
81320 Substation, Upgrade		EA	2 --		1480904	(2,962)
84110 Water Treatment Plant		L/d (KG)	2,347 (620)		2,461	(5,775)
96100 Post Construction Award Services		LS	--		--	(1,613)
89220 EMCS Connection		LS	--		--	(348)
00000 Cyber Security Measures		LS	--		--	(1,250)
Sustainability/Energy Measures		LS	--		--	(1,149)
Antiterrorism Measures		LS	--		--	(1,009)
Building Information Systems		LS	--		--	(870)
					Total	14,976
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
limited to that which is necessary to complete the construction project. Air Conditioning (Estimated 1,224 kW _r /348 Tons).						
11. REQ: 3,200 PN ADQT: 1,893 PN SUBSTD: 1,307 PN						
PROJECT: Construct Barracks at U.S. Naval Station, Guantanamo Bay, Cuba. (Current Mission)						
REQUIREMENT: This project is required to provide adequate barracks facilities to house unaccompanied enlisted personnel assigned to Joint Task Force - Guantanamo (JTF GTMO) in support of the detention mission.						
CURRENT SITUATION: JTF-GTMO unaccompanied enlisted personnel are currently housed in old Navy Family Housing units located at the Tierra Kay (TK) area, in temporary, relocatable barracks, (called Cuzco units) and temporary, pre-engineered buildings (PEBs). The TK housing units were scheduled for demolition but were converted for use as enlisted billeting when JTF-GTMO was established. The facilities are substandard and do not meet space nor condition requirements. Deteriorating conditions, some that require urgent repair and replacement, are common to all the facilities used for billeting. The harsh tropical climate accelerates the decline in serviceability. Recurring maintenance and mold-abatement makes all structures costly to keep occupied. The marginal health and overall safety conditions exacerbate maintenance demands. The Cuzco and PEB units have exceeded their intended life and are expensive to operate due to similarly high maintenance demands.						
IMPACT IF NOT PROVIDED: If this project is not provided, Soldiers will continue to live in substandard and rapidly deteriorating facilities. The poor living conditions could negatively impact their health, wellbeing and morale. The inadequate billeting could impede unit integrity and diminish mission attainment.						
ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships)						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 APR 2017
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3. INSTALLATION AND LOCATION Guantanamo Bay Naval Station Cuba (Cuba Various)	4. PROJECT TITLE OCO: Barracks
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 72111	7. PROJECT NUMBER 91580	8. PROJECT COST (\$000) Approp 115,000
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ADDITIONAL: (CONTINUED)
certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate.
During the past two years, 16,500 has been spent on sustainment, restoration and modernization (SRM) (formerly known as Real Property Maintenance) of unaccompanied enlisted personnel housing at Guantanamo Bay Naval Station. Upon completion of this multi-phased project and other projects approved through FY 2018, the remaining unaccompanied enlisted permanent party deficit is 808 personnel at this installation.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	APR 2017
(b) Percent Complete as of January 2017.....	0.00
(c) Date 35% Designed.....	OCT 2017
(d) Date Design Complete.....	SEP 2019
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Afghanistan Various	
(c) Percentage of Design utilizing Standard Design ...	50

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	2,490
(b) All Other Design Costs.....	830
(c) Total Design Cost.....	3,320
(d) Contract.....	830
(e) In-house.....	2,490

(4) Construction Contract Award..... APR 2018

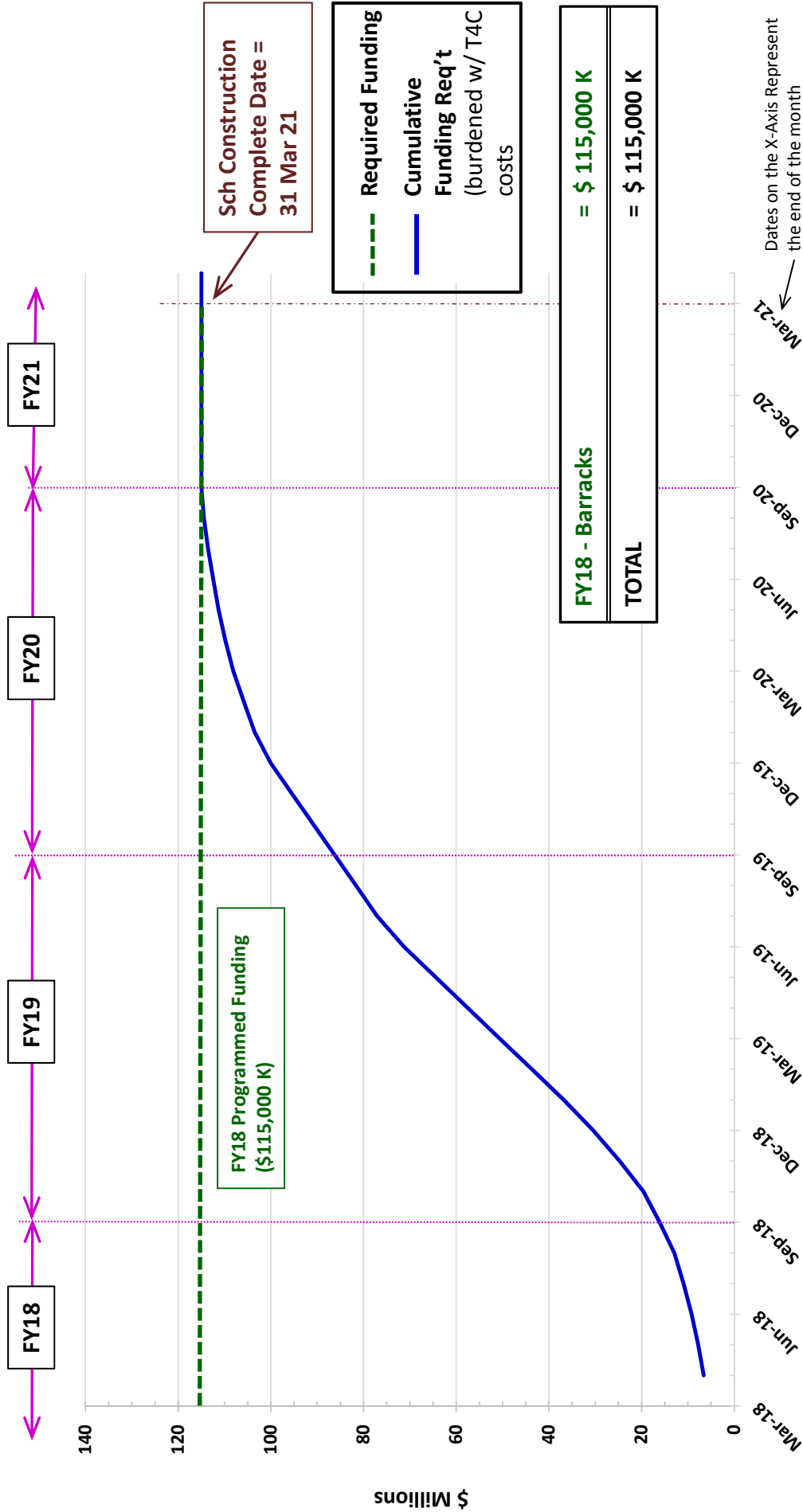
(5) Construction Start..... JUL 2018

(6) Construction Completion..... MAR 2021



As of: 18 April 2017

Work In Place (WIP) Curve – Guantanamo Bay Barracks Full Authorization = \$115,000 K / Sch Award Date = 1 Apr 18



Note – Schedule Award Dates assumes FY18 Authorization and Appropriations are available by 1 Apr 18

Assumptions: Incremental Funding will be available 1 Jan of the FY

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 14 APR 2017	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various				4. PROJECT TITLE OCO: Planning and Design		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 96100	7. PROJECT NUMBER 91524		8. PROJECT COST (\$000) Approp 9,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u> 00000 Planning & Design		LS	--		--	9,000 (9,000)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						9,000
CONTINGENCY (0.00%)						0
SUBTOTAL						9,000
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						9,000
TOTAL REQUEST (ROUNDED)						9,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction This item provides for parametric, concept, and final design of major and unspecified minor construction projects; value engineering; and the development of standards and criteria for Army facilities in conjunction with the Navy and Air Force.						
11. REQ: NA ADQT: NA SUBSTD: NA PROJECT: Planning and design funds, OCO REQUIREMENT: This funding is required to support of Overseas Contingency Operations at Joint Task Force-Guantanamo Bay, CU (JTF-GTMO). This account is dissimilar to any other line item in the Army's MCA budget in that it is reflective of an operations expense, versus a defined scope of a single construction project. Funds will be used by the Naval Facilities Command for in-house designs, Architect-Engineer (A-E) contracts, and administrative support functions. These funds are required for accomplishment of final correction, review, reproduction and advertisement of projects in the FY 2018 program; for advancement to final design of projects in FY 2019 and for initiation of design of projects in FY 2020. The funds request for the annual planning and design requirement includes value engineering, the costs to update standards and criteria, guide specifications, technical manuals, and the cost to continue the Department of the Army (DA) Facility Standardization Program.						

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 14 APR 2017	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various				4. PROJECT TITLE ERI: Planning and Design		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 96100	7. PROJECT NUMBER 90352		8. PROJECT COST (\$000) Approp 15,700	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						15,700
00000 Planning & Design, ERI/OCO		LS	--		--	(15,700)
Sustainability/Energy Measures		LS	--		--	(0)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						15,700
CONTINGENCY (0.00%)						0
SUBTOTAL						15,700
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						15,700
TOTAL REQUEST (ROUNDED)						15,700
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction This item provides for parametric, concept, and final design of construction projects in support of European Reassurance Initiative (ERI) Overseas Contingency Operations (OCO) projects.						
11. REQ: NA		ADQT: NA		SUBSTD: NA		NA
PROJECT: Planning and design funds.						
REQUIREMENT: This funding is required to provide design and engineering services for ERI/OCO Military Construction, Army (MCA) projects, including value engineering. This account is dissimilar to any other line item in the Army's MCA budget in that it is reflective of an operations expense, versus a defined scope of a single construction project. Funds will be used by the U.S. Army Corps of Engineers (USACE) districts for in-house designs, Architect-Engineer (A-E) contracts, and administrative support functions.						

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Host Country In-kind Contributions
 Republic of Korea Funded Construction
 Calendar Year (CY) 2018
 Authorization Request
 Part IB

Korea

CAT CODE	PROJECT NUMBER	PROJECT DESCRIPTION	NEW/CURRENT MISSION	(\$000)	PAGE NO.
		Camp Humphreys			
11320	A16R501	Type I Aircraft Parking Apron	Current	\$10,000	3
72111	A20R200P1	Unaccompanied Enlisted Personnel Housing, Phase 1	Current	\$76,000	6
		TOTAL		\$86,000	

1. COMPONENT: ARMY	REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)	2. DATE: 25-Nov-14 Rev. 15-Jul-16
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3. INSTALLATION AND LOCATION: USAG Humphreys, Korea	4. PROJECT TITLE: Type I Aircraft Parking Apron
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5. PROGRAM ELEMENT: N/A	6. CATEGORY CODE: 11320	7A. PROJECT NO.: A16R501	8. COST (\$000) 10,000
		7B. PACKAGE NO.: AV070	

9. COST ESTIMATES:				
ITEM	U/M	QTY	UNIT COST	COST (\$000)
PRIMARY FACILITY				
Aircraft Parking Apron (PCC) (11320)	M2	60,589	107	7,234 (6,483)
Taxiway (PCC) (11221)	M2	8,079	93	(751)
SUPPORTING FACILITIES				
Electrical	LS	--	--	1,665 (717)
Storm Drainage	LS	--	--	(157)
Site Improvement	LS	--	--	(489)
Demolition	LS	--	--	(302)
ESTIMATED CONTRACT COST				8,899
CONTINGENCY (5%)				445
SUBTOTAL				9,344
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				607
TOTAL REQUEST				9,951
TOTAL REQUEST (ROUNDED)				10,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

A. Use host country funds to construct a continuous Portland cement concrete (PCC) Type I Aircraft Parking Apron to replace Innkeeper Keyhole parking area at USAG Humphreys. The existing keyhole parking pads, which are failing structurally, the deteriorated taxiway adjacent to the keyhole pads, and the SE shoulder of Dealer East parking apron, and lighting associated with those area will be demolished. A new, continuous apron will be constructed, extending in length from the SE edge of Dealer East apron approximately 1,750 LF, to a point past Pad Zero. The new apron will replace the existing taxiway and be constructed as a continuous apron to abut the SW edge of the future Parallel Taxiway AV100. The apron requires an asphalt concrete shoulder at SE and NE perimeter edges, and at the NW corner tailing into the existing Dealer East apron. The new apron requires pads, tie-downs and ground points in Type I configuration for 20 AH-64/ UH-60 as an interim, short-term requirement, and pads, tie-downs and ground points in Type II configuration for 15 CH-47, (5 rows, 3 deep), and 6 AH-64 (1 row, 6 deep) as a long-term, end-state requirement.

B. Design and construction shall be in accordance with ECB 2014-20, UFC 3-260-01 and UFC 3-260-02 and must be planned and coordinated to create minimal disturbance to airfield operations. Apron construction should be phased to allow for continued OH-58 operations.

C. Supporting facilities include taxiway lighting, pavement markings, site development, and storm drainage. Site demolition is included, and saw cutting of existing pavement at the taxiway is required to create new pavement joints.

D. Connection for underground utilities is required between the parking apron and the utility corridor.

E. Site improvements include demolition of nine existing, failed, PCC keyhole parking pads, taxi lane, shoulders, transition ramps (15,121 M2), existing electrical, over excavation, engineered backfill and compaction, earthwork, and landscaping.

F. Full fire protection as required by regulation and UFC 3-600-01. Fire protection for new parking apron shall be provided by existing features on the airfield.

1. COMPONENT: ARMY	Republic of Korea Funded Construction (ROKFC)	2. DATE: 25-Nov-14 Rev. 15-Jul-16
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3. INSTALLATION AND LOCATION:
USAG Humphreys, Korea

4. PROJECT TITLE: Type I Aircraft Parking Apron	5A. PACKAGE NO.: AV070	5B. PROJECT NO.: A16R501
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G. Facilities will be designed to a minimum life of 50 years and energy efficiencies meeting, on average, ASHRAE 189.1 standards through improved building envelope and integrated building systems performance.

11. REQUIREMENTS:

REQ 111,826 M2 **ADQT:** 51,237 M2 **SUBSTD:** 26,285 M2

PROJECT:

Construct a continuous, PCC Type I Aircraft Parking Apron, interior taxiway and shoulders (New Mission)

REQUIREMENT:

USAG Humphreys is the primary location for US Army Rotary Wing support assets in the Republic of Korea. Installation resources provide operations, maintenance, and logistical support to this theater asset. This parking apron is required to replace 9 existing, failed parking keyhole pads, and up to 11 additional aircraft parking areas planned to support 20+ Type I parking areas. This provides an economical interim solution to park additional aircraft, and allows the finished ramp to accommodate an influx of airframes, while also meeting the requirement of the approved airfield development plan.

CURRENT SITUATION:

Aircraft parking at USAG Humphreys has a deficit of 12 parking spaces and will not meet the requirement for programmed expansion. The existing keyhole parking pads (15,121 M2) failed the latest condition survey and would require replacement if retained. Additionally, keyhole parking pads do not meet current parking standards nor would replacement, in kind, provide additional required parking.

IMPACT IF NOT PROVIDED:

If this project is not constructed, the airfield will continue to operate in a parking deficit condition that will worsen as additional aircraft are assigned to USAG Humphreys. AV070 is the next project required to continue orderly development of the approved Airfield Area Development Plan and by not providing the parking ramp and taxi lane will preclude further implementation of the ADP as well as not providing parking for 24 AH64D Apache aircraft scheduled to arrive in 2017.

1. COMPONENT: ARMY	Republic of Korea Funded Construction (ROKFC)	2. DATE: 25-Nov-14 Rev. 15-Jul-16
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3. INSTALLATION AND LOCATION:
USAG Humphreys, Korea

4. PROJECT TITLE: Type I Aircraft Parking Apron	5A. PACKAGE NO.: AV070	5B. PROJECT NO.: A16R501
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12. ADDITIONAL

- A. JOINT USE CERTIFICATE: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by the other components.
- B. ANTI TERRORISM/FORCE PROTECTION: All of the 21 Building Standards for Antiterrorism/Force Protections (AT/FP) will apply to this project, including a Mass Notification System, and site measures, which are outlined in UFC 4-010-01, dated 9 February 2012, Change 1, 1 Oct 2013. All facilities will meet current UFC 4-010-01 standards for buildings and site. Additional AT/FP site features will include concrete pop-up bollards and barriers. AT/FP building features will also include design for progressive collapse and blast resistant windows.
- C. SUSTAINABLE DESIGN AND DEVELOPMENT (SDD): Sustainable principles shall be integrated into the design, development, and construction of this project and it will achieve a minimum of LEED Silver in accordance with the current US Army Sustainable Design and Development Policy and other applicable laws and Executive Orders. All equipment going into this facility must be Energy Star rated or on the Federal Energy Management Program (FEMP) approved list.
- D. HOST NATION: This project is located on an enduring installation which will be retained by United States Forces Korea for the foreseeable future.
- E. PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included
- F. This project is located on an enduring installation which will be retained by the United States Forces Korea (USFK) for the foreseeable future.
- G. No portion of this facility is intended for Republic of Korea personnel exclusive or primary use.

1. COMPONENT: ARMY	Republic of Korea Funded Construction (ROKFC)			2. DATE: 15 Feb 2017
3. INSTALLATION AND LOCATION: USAG Humphreys, South Korea		4. PROJECT TITLE: Unaccompanied Enlisted Personnel Housing, Phase 1		
5. PROGRAM ELEMENT: N/A	6. CATEGORY CODE: 72111	7.. PROJECT NO: A20R200P1	8. COST (\$000): \$76,000	
9. COST ESTIMATES:				
ITEM	U/M	QTY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>				(61,372)
302 PN Unaccompanied Enlisted Personnel Housing (w/ Fire Pump Room) (Tower 1)	M2	11,082	2,497	27,672
302 PN Unaccompanied Enlisted Personnel Housing (Tower 2)	M2	11,082	2,460	27,262
First Floor Structural Slab	M2	4,552	112	510
Pile Foundations	LM	11,700	242	2,831
Information Systems (Primary)	LS	--	--	915
Sustainability/Energy Measures	LS	--	--	1,091
Antiterrorism Measures/Force Protection	LS	--	--	1,091
<u>SUPPORTING FACILITIES</u>				(6,422)
Electrical	LS	--	--	865
Water, Sewer, Gas	LS	--	--	1,031
Paving, Walks, Curbs And Gutters	LS	--	--	1,355
Storm Drainage	LS	--	--	589
Site Improvement	LS	--	--	2,000
AT/FP (passive) (1%)	LS	--	--	546
Information Systems (Supporting)	LS	--	--	36
ESTIMATED CONTRACT COST				67,794
CONTINGENCY (5%)				3,390
SUBTOTAL				71,184
SUPERVISION, INSPECTION & OVERHEAD - 6.5%				4,627
DESIGN/BUILD - DESIGN COST				NOT INCLUDED
TOTAL REQUEST				75,811
TOTAL REQUEST (ROUNDED)				76,000
Below ECC C4I Migration and Other Systems				--
Installed EQT- Other Appropriations (5%)				3,069
Electronic and Physical Security Systems (EPSS)				117
10. DESCRIPTION OF PROPOSED CONSTRUCTION:				
<p>Utilize host country funding to construct two 302 personnel (PN) eight-story Unaccompanied Enlisted Personnel Housing (UEPH) per the current Army Standard for Unaccompanied Enlisted Housing (UEPH) at USAG Humphreys. The UEPH barracks will include private modules with individual living/sleeping rooms, and each room shall contain closets and a combination of shared and/or private kitchens and bathrooms to be shared by a maximum of two people. Barracks will include four elevators per building (one freight elevator and three passenger elevators). UEPH support areas include circulation spaces (stairs and corridors); mechanical, electrical, and communication spaces; exterior boot wash areas; and outdoor storage buildings. Accessibility to the living/sleeping rooms will be from interior enclosed corridors. Exterior balcony access is not authorized for new construction. UEPH common areas include entry lobby, Charge of Quarters (CQ) station with counter, vending areas, ice machine, janitor's closet, public phones and toilets. If laundry facilities are consolidated in the facility, they may also be located in this area, along with a provision for a field gear cleaning area (mud room). One of the two towers shall contain a fire pump room.</p> <p>Supporting facilities include underground utilities (electrical, natural gas, water, and sewer systems); utility monitoring and control system (UMCS); parking; paving, sidewalks, curbs and gutters; dumpster and pad/trash enclosures; storm drainage; exterior</p>				

1. COMPONENT: ARMY	Republic of Korea Funded Construction (ROKFC)	2. DATE: 15 Feb 2017
3. INSTALLATION AND LOCATION: USAG Humphreys, South Korea		
4. PROJECT TITLE: Unaccompanied Enlisted Personnel Housing, Phase 1	5. PROJECT NUMBER A20R200P1	
<p>information systems; fire protection, outdoor vending area, facility and parking information signage, area security lighting, fuel storage tank (IAW USFK Policies/regulations), and site improvements. Barracks site design will include circulation sidewalks; two 30 PN gazebos; one BBQ shelter; six covered bicycle racks; and landscaping to include all grass, trees, and vegetation within the project boundaries. Additional information technology requirements include a mass notification system (MNS) as required by UFC 4-010-01. Coordinate design and construction of all site supporting facilities with current USAG Land Development, Utilities and Infrastructure (LDUI) plan, and ensure all site supporting systems are integrated with all LDUI elements on-site and off-site.</p> <p>A. Heating and air conditioning will be provided and, if applicable and practical, will be compatible for use with natural gas. Active and passive solar energy will be considered and included if cost effective. This facility shall be designed to make maximum use of natural climate, ventilation, and lighting, as well as use of energy efficient window and building insulation.</p> <p>B. Connection for underground utilities is required between the facility and the utility corridor.</p> <p>C. Site improvements include earthwork and landscaping. An environmental site survey is not required due to the project being located in the new lands which has already received a preconstruction environmental survey (PES) from the United States Army Garrison Humphreys Environmental Division.</p> <p>D. Full fire protection as required by regulation and UFC 3-600-01 to include a fire alarm/suppression system; mass notification system (MNS) as required by UFC 4-010-01; access control systems; and connection to the utility monitoring control system (UMCS). Fire Alarm panels shall include zone module cards that can support 16 zones. These additional zones are required to transmit exact location data to the computerized D-21 Monaco fire alarm computer located at the fire department communication center through the use of a BT-XM building transmitter installed at the building in design.</p> <p>E. All exterior doors will be equipped with HT24 electronic locksets. Interior door locks shall be standard keyed locks, with the exception of doors requiring Electronic Access Control Systems with integrate with the Garrison's IDS.</p> <p>F. Facilities will be designed for a minimum life of 50 years and energy efficiencies meeting, on average, ASHRAE 189.1 standards through improved building envelop and integrated building systems performance.</p> <p>G. No facility demolition and disposal is required for this project.</p> <p>H. Radio frequency (RF) shielding is not required for these structures.</p> <p>11. REQUIREMENTS: 1. REQ: 17,891 units ADQT: 6,774 units SUBSTD: 7,720 units</p> <p>2. Project: Use host country funding to construct two 302 PN Unaccompanied Enlisted Personnel Housing (UEPH) Barracks. (New Mission)</p> <p>3. REQUIREMENT: This project is required to provide working/mission facilities that meet current Army Standard Design criteria and to support the increase in population at USAG Humphreys as part of the US Forces Korea Theater Master Plan (USFK TMP). This project will be built on USAG Humphreys, which is an enduring installation.</p> <p>4. CURRENT SITUATION: Adequate permanent facilities are not available to support the increase in population at USAG Humphreys as part of the USFK TMP. All existing facilities suitable for use under this category code are fully utilized.</p> <p>5. IMPACT IF NOT PROVIDED: If this project is not provided, the current inadequate facilities will not support future growth as required by the US Forces Korea Theater Master Plan.</p>		

1. COMPONENT: ARMY	Republic of Korea Funded Construction (ROKFC)	2. DATE: 15 Feb 2017
3. INSTALLATION AND LOCATION: USAG Humphreys, South Korea		
4. PROJECT TITLE: Unaccompanied Enlisted Personnel Housing, Phase 1	5. PROJECT NUMBER A20R200P1	
<p>6. ADDITIONAL:</p> <p>A. JOINT USE CERTIFICATE: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by the other components.</p> <p>B. ANTITERRORISM/FORCE PROTECTION: All of the 21 Building Standards for Antiterrorism/Force Protections (AT/FP) will apply to this project, including a Mass Notification System, and site measures, which are outlined in UFC 4-010-01, dated 9 February 2012, change 1, 1 Oct 2013. All facilities will meet current UFC 4-010-01 standards for buildings and site. Such additional AT/FP site features will include concrete pop-up bollards and barriers. Major AT/FP building features will include design for progressive collapse and blast resistant windows.</p> <p>C. SUSTAINABLE DESIGN AND DEVELOPMENT (SDD): Sustainable principles shall be integrated into the design, development, and construction of this project and it will achieve a minimum of LEED Silver in accordance with the current US Army Sustainable Design and Development Policy and other applicable laws and Executive Orders. All equipment going into this facility must be Energy Star rated or on the Federal Energy Management Program (FEMP) approved list. All utilities shall be metered using advanced meters as defined by FEMP. Strict adherence to the USAG Humphreys Installation Design Standard is required.</p> <p>D. HOST NATION: This project is located on an enduring installation which will be retained by United States Forces Korea for the foreseeable future.</p> <p>E. PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.</p> <p>F. These buildings and structures, including buildings and structures leased to provide transitional spaces, are exempt from all provisions of these standards during the life of the construction or renovation contract for which the transitional buildings and structures are being provided, but no longer than five years.</p> <p>G. Comprehensive interior design package for the AE to complete as required by UFC 3-120-10.</p> <p>H. No portion of this facility is intended for Republic of Korea personnel exclusive or primary use.</p>		

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Department of the Army Fiscal Year (FY) 2018 Budget Estimates

Army Family Housing

**JUSTIFICATION DATA SUBMITTED TO CONGRESS
May 2017**

May 2017

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SUMMARY

(\$ in Thousands)

FY 2018 Budget Request	\$529,287
FY 2017 Program Budget	\$483,167

PURPOSE AND SCOPE

The Army Family Housing (AFH) Budget Request supports the operation, maintenance, leasing, privatization oversight and construction for military Family housing worldwide. In support of the Army's Facility Investment Strategy (FIS), the FY 2018 Budget Request funds the Department's goal of providing fully adequate Family housing units. It also supports the Secretary of Defense's commitment to improve military housing for our Soldiers and their Families.

MAJOR FACTORS

The Army Family housing inventory reflects adjustments made as a result of improved accountability, and because facilities deteriorate over time and become inadequate. Also, transformation and stationing decisions generate new and revised housing requirements. The Army is using both Family Housing Operation and Maintenance and Construction funds to eliminate inadequate dwellings and housing shortages. This improves the quality of life for Soldiers and their Families.

Army Family Housing Construction: In support of housing requirements worldwide, the FY 2018 request includes the second increment of funding for a Camp Humphreys Family housing project authorized in FY 2017, new construction of 95 Family housing units at: Natick, MA; Fort Gordon, GA; South Camp Vilseck, GE; and Kwajalein Atoll and improvement of 80 Family housing units at Baumholder, GE.

Army Family Housing Operation: Annual changes to the inventory, inflation, and currency adjustments drive program changes in most budget accounts. Programmatic adjustments are explained in each section.

The Army's scheduled Residential Communities Initiative (RCI) program is fulfilled with over 86,000 privatized end state units at 44 Army locations, representing over 98% of the on-post Family housing inventory in the U.S. The Army continues to execute additional oversight and accountability as directed by legislation and extend the life of the Army's infrastructure investment.

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Army Family Housing
SUMMARY (Continued)

PROGRAM SUMMARY

Authorization is requested for the performance of new construction, improvements, planning and design of future construction projects, operation, maintenance, utilities, leasing, and privatization oversight for Army Family Housing in the amount of \$529,287,000:

Appropriation of \$529,287,000 is requested to fund:

- a. Family Housing New Construction, Construction Improvements, Planning and Design, and
- b. Family Housing Operation and Maintenance to support inventory authorized in existing legislation.

REQUEST

A summary of the FY 2018 AFH funding program follows:

	<u>Sub Total</u> <u>(in Thousands)</u>	<u>Grand Total</u> <u>(in Thousands)</u>
CONSTRUCTION REQUEST		182,662
New Construction	114,947	
Construction Improvements	34,156	
Planning and Design	33,559	
OPERATION AND MAINTENANCE REQUEST		346,625
Operation	59,235	
Maintenance of Real Property	57,708	
Utilities	<u>60,251</u>	
Subtotal Government Owned	177,194	
Leasing	148,538	
Privatization	20,893	
TOTAL FAMILY HOUSING APPROPRIATION REQUEST		529,287
REIMBURSABLE PROGRAM		15,000
TOTAL FAMILY HOUSING PROGRAM		544,287

DEPARTMENT OF THE ARMY
 FISCAL YEAR (FY) 2018
 ARMY FAMILY HOUSING CONSTRUCTION (PART II)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

<u>STATE</u>	<u>PROJECT NUMBER</u>	<u>INSTALLATION (COMMAND) PROJECT TITLE</u>	<u>AUTHORIZATION REQUEST</u>	<u>APPROPRIATION REQUEST</u>	<u>PAGE</u>
Georgia	87205	Fort Gordon (IMCOM) Family Housing New Construction	<u>6,100</u>	<u>6,100</u>	20 21
		Subtotal Fort Gordon Part II	\$ 6,100	6,100	
		* TOTAL AFHC FOR Georgia	\$ 6,100	6,100	
Massachusetts	75718	Soldier Systems Ctr (Natick) (IMCOM) Family Housing Replacement Construction	<u>21,000</u>	<u>21,000</u>	26 27
		Subtotal Soldier Systems Ctr (Natick) Part II	\$ 21,000	21,000	
		* TOTAL AFHC FOR Massachusetts	\$ 21,000	21,000	
		** TOTAL INSIDE THE UNITED STATES FOR AFHC	\$ 27,100	27,100	

DEPARTMENT OF THE ARMY
 FISCAL YEAR (FY) 2018
 ARMY FAMILY HOUSING CONSTRUCTION (PART II)
 (DOLLARS ARE IN THOUSANDS)
 OUTSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION _____REQUEST	APPROPRIATION _____REQUEST	PAGE
Germany		Germany Various (IMCOM) South Camp Vilseck			32
	78713	Family Housing New Construction	22,445	22,445	33
		Baumholder Mil Cmty			
	71425	Family Housing Improvements	<u>34,156</u>	<u>34,156</u>	53
		Subtotal Germany Various Part II	\$ 56,601	56,601	
	* TOTAL AFHC FOR Germany	\$ 56,601	56,601		
Korea		Korea Various (IMCOM) Camp Humphreys			37
	91380	Family Housing New Construction Incr 2	<u>0</u>	<u>34,402</u>	39
		Subtotal Korea Various Part II	\$ 0	34,402	
		* TOTAL AFHC FOR Korea	\$ 0	34,402	
Kwajalein		Kwajalein Atoll (SMDC)			44
	65981	Family Housing Replacement Construction	<u>31,000</u>	<u>31,000</u>	45
		Subtotal Kwajalein Atoll Part II	\$ 31,000	31,000	
	* TOTAL AFHC FOR Kwajalein	\$ 31,000	31,000		
	** TOTAL OUTSIDE THE UNITED STATES FOR AFHC	\$ 87,601	122,003		

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DEPARTMENT OF THE ARMY
 FISCAL YEAR (FY) 2018
 ARMY FAMILY HOUSING CONSTRUCTION (PART II)
 (DOLLARS ARE IN THOUSANDS)
 WORLDWIDE

<u>STATE</u>	<u>PROJECT NUMBER</u>	<u>INSTALLATION (COMMAND) PROJECT TITLE</u>	<u>AUTHORIZATION REQUEST</u>	<u>APPROPRIATION REQUEST</u>	<u>PAGE</u>
Worldwide	Various 81177	Planning and Design (PLANDES) Planning & Design	0	33,559	59
		Subtotal Planning & Design Part II	\$ 0	33,559	
		* TOTAL AFHC FOR Worldwide Various	\$ 0	33,559	
		** TOTAL WORLDWIDE FOR AFHC	\$ 0	33,559	
		FAMILY HOUSING CONSTRUCTION (PART II) Total	\$ 114,701	182,662	
		Total Cost of New/Replacement Construction	(5)	\$ 114,947	
		Total Cost of Improvement Construction	(1)	\$ 34,156	
		Total Cost of Other	(1)	\$ 33,559	
		Total Cost of FY 2018 AFH Projects	(7)	\$ 182,662	

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Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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Army Family Housing

FH-11 PB Inventory and Condition of Government-Owned, Family Housing Units WORLDWIDE (Number of Dwelling Units in Inventory) Fiscal Year 2018							
	Number of Units - Worldwide						
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Beginning of FY Adequate Inventory Total	7,733	7,964	8,151	9,307	9,590	10,110	10,445
FCI of 90% to 100% (Good Condition)	6,162	6,412	6,602	7,527	7,810	8,330	8,665
FCI of 80% to 89% (Fair Condition)	1,571	1,552	1,549	1,780	1,780	1,780	1,780
Beginning of FY Inadequate Inventory Total	3,207	2,364	2,303	1,632	1,335	1,180	952
FCI of 60% to 79% (Poor Condition)	2,071	1,759	1,698	912	798	741	658
FCI of 59% and below (Failing Condition)	1,136	605	605	720	537	439	294
Beginning of FY Total Inventory	10,940	10,328	10,454	10,939	10,925	11,290	11,397
Percent Adequate - Begin of FY Inventory	71%	77%	78%	85%	88%	90%	92%
Inadequate Inventory Reduced Through:	843	61	671	297	155	228	98
Construction (MilCon)	287	18	60	148	80	92	64
Maintenance & Repair (O&M)	-	-	335	55	58	26	26
Privatization	-	-	-	-	-	-	-
Demolition/Divestiture/Diversion/Conversion	556	43	276	94	17	110	8
Funded by Host Nation	-	-	-	-	-	-	-
Adequate Inventory Changes:	231	187	1,156	283	520	335	282
Construction (MilCon)	341	192	889	238	462	316	306
Maintenance & Repair (O&M)	-	-	335	55	58	26	26
Privatization	-	-	-	-	-	-	-
Demolition/Divestiture/Diversion/Conversion	(110)	(5)	(68)	(10)	-	(7)	(50)
End of FY Adequate Inventory Total	7,964	8,151	9,307	9,590	10,110	10,445	10,727
FCI of 90% to 100% (Good Condition)	6,412	6,602	7,527	7,810	8,330	8,665	9,049
FCI of 80% to 89% (Fair Condition)	1,552	1,549	1,780	1,780	1,780	1,780	1,678
End of FY Inadequate Inventory Total	2,364	2,303	1,632	1,335	1,180	952	854
FCI of 60% to 79% (Poor Condition)	1,759	1,698	912	798	741	658	586
FCI of 59% and below (Failing Condition)	605	605	720	537	439	294	268
End of FY Total Inventory	10,328	10,454	10,939	10,925	11,290	11,397	11,581
Percent Adequate - End of FY Inventory	77%	78%	85%	88%	90%	92%	93%
DoD Performance Goal - 90% of World-wide inventory at FCI of at least 80% (Good or Fair Condition)	90%	90%	90%	90%	90%	90%	90%

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

FH-11 PB Inventory and Condition of Government-Owned, Family Housing Units UNITED STATES (CONUS plus Hawaii and Alaska) (Number of Dwelling Units in Inventory) Fiscal Year 2018							
	Number of Units - U.S. <input type="checkbox"/>						
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Beginning of FY Adequate Inventory Total	630	591	619	861	863	892	899
FCI of 90% to 100% (Good Condition)	546	516	547	674	676	705	712
FCI of 80% to 89% (Fair Condition)	84	75	72	187	187	187	187
Beginning of FY Inadequate Inventory Total	209	153	153	104	76	74	74
FCI of 60% to 79% (Poor Condition)	157	114	114	63	63	63	63
FCI of 59% and below (Failing Condition)	52	39	39	41	13	11	11
Beginning of FY Total Inventory	839	744	772	965	939	966	973
Percent Adequate - Begin of FY Inventory	75%	79%	80%	89%	92%	92%	92%
Inadequate Inventory Reduced Through:	56	-	49	28	2	-	-
Construction (MilCon)	3	-	-	-	-	-	-
Maintenance & Repair (O&M)	-	-	6	2	1	-	-
Privatization	-	-	-	-	-	-	-
Demolition/Divestiture/Diversion/Conversion	53	-	43	26	1	-	-
Funded by Host Nation	-	-	-	-	-	-	-
Adequate Inventory Changes:	(39)	28	242	2	29	7	-
Construction (MilCon)	56	33	295	-	28	7	26
Maintenance & Repair (O&M)	-	-	6	2	1	-	-
Privatization	-	-	-	-	-	-	-
Demolition/Divestiture/Diversion/Conversion	(95)	(5)	(59)	-	-	-	(26)
End of FY Adequate Inventory Total	591	619	861	863	892	899	899
FCI of 90% to 100% (Good Condition)	516	547	674	676	705	712	738
FCI of 80% to 89% (Fair Condition)	75	72	187	187	187	187	161
End of FY Inadequate Inventory Total	153	153	104	76	74	74	74
FCI of 60% to 79% (Poor Condition)	114	114	63	63	63	63	63
FCI of 59% and below (Failing Condition)	39	39	41	13	11	11	11
End of FY Total Inventory	744	772	965	939	966	973	973
Percent Adequate - End of FY Inventory	79%	80%	89%	92%	92%	92%	92%

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing

FH-11 PB Inventory and Condition of Government-Owned, Family Housing Units
 FOREIGN (includes U.S. Territories)
 (Number of Dwelling Units in Inventory)
 Fiscal Year 2018

	Number of Units - Foreign <input type="checkbox"/>						
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Beginning of FY Adequate Inventory Total	7,103	7,373	7,532	8,446	8,727	9,218	9,546
FCI of 90% to 100% (Good Condition)	5,616	5,896	6,055	6,853	7,134	7,625	7,953
FCI of 80% to 89% (Fair Condition)	1,487	1,477	1,477	1,593	1,593	1,593	1,593
Beginning of FY Inadequate Inventory Total	2,998	2,211	2,150	1,528	1,259	1,106	878
FCI of 60% to 79% (Poor Condition)	1,914	1,645	1,584	849	735	678	595
FCI of 59% and below (Failing Condition)	1,084	566	566	679	524	428	283
Beginning of FY Total Inventory	10,101	9,584	9,682	9,974	9,986	10,324	10,424
Percent Adequate - Begin of FY Inventory	70%	77%	78%	85%	87%	89%	92%
Inadequate Inventory Reduced Through:	787	61	622	269	153	228	98
Construction (MilCon)	284	18	60	148	80	92	64
Maintenance & Repair (O&M)	-	-	329	53	57	26	26
Privatization	-	-	-	-	-	-	-
Demolition/Divestiture/Diversion/Conversion	503	43	233	68	16	110	8
Funded by Host Nation	-	-	-	-	-	-	-
Adequate Inventory Changes:	270	159	914	281	491	328	282
Construction (MilCon)	285	159	594	238	434	309	280
Maintenance & Repair (O&M)	-	-	329	53	57	26	26
Privatization	-	-	-	-	-	-	-
Demolition/Divestiture/Diversion/Conversion	(15)	-	(9)	(10)	-	(7)	(24)
End of FY Adequate Inventory Total	7,373	7,532	8,446	8,727	9,218	9,546	9,828
FCI of 90% to 100% (Good Condition)	5,896	6,055	6,853	7,134	7,625	7,953	8,311
FCI of 80% to 89% (Fair Condition)	1,477	1,477	1,593	1,593	1,593	1,593	1,517
End of FY Inadequate Inventory Total	2,211	2,150	1,528	1,259	1,106	878	780
FCI of 60% to 79% (Poor Condition)	1,645	1,584	849	735	678	595	523
FCI of 59% and below (Failing Condition)	566	566	679	524	428	283	257
End of FY Total Inventory	9,584	9,682	9,974	9,986	10,324	10,424	10,608
Percent Adequate - End of FY Inventory	77%	78%	85%	87%	89%	92%	93%

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FH-8 Exhibit: Annual Inadequate Family Housing Elimination FY 2016

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2016	10,940	3,207	843
FY 2016 total traditional construction (Milcon) and O&M projects to eliminate inadequate units			287
* AFHC/Right-Sizing/USAG Ansbach	1,089	329	144
* AFHC/Right-Sizing/USAG Rheinland-Phaltz	1,491	229	104
* AFHC/Right-Sizing/USAG Stuttgart	1,350	275	36
* AFHC/Replace/Rock Island Arsenal	52	3	3
FY 2016 total units demolished/ divested/ or otherwise permanently removed from Family housing inventory			556
* Demolition/USAG Ansbach	1,089	329	202
* Demolition/Hawthorne AD	66	66	38
* Demolition/Lake City AD	11	3	3
* Demolition/McAlester AD	18	5	5
* Demolition/Radford AAP	19	7	7
* Return to Host Nation/USAG Wiesbaden	2,281	463	217
* Reduced due to right-sizing/Camp Zama	899	139	3
* Demolition/Camp Zama	899	139	54
* Demolition/Fort Buchanan	56	56	27
Total Units at end of FY 2016	10,328	2,364	843

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 FH-8 Exhibit: Annual Inadequate Family Housing Elimination FY 2017

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2017	10,328	2,364	61
FY 2017 total traditional construction (Milcon) and O&M projects to eliminate inadequate units			18
* AFHC/Right-Sizing/USAG Stuttgart	1,341	239	18
FY 2017 total units demolished/ divested/ or otherwise permanently removed from Family housing inventory			43
* Demolition/Camp Zama	840	85	43
Total Units at end of FY 2017	10,454	2,303	61

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing

FH-8 Exhibit: Annual Inadequate Family Housing Elimination FY 2018

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2018	10,454	2,303	671
FY 2018 total traditional construction (Milcon) and O&M projects to eliminate inadequate units			395
* AFHC/Right-Sizing/USAG Ansbach	1,041	221	48
* AFHC/Improve/USAG Wiesbaden	2,064	246	12
* AFHO/Minor M&R/USAG Baumholder	1,309	234	144
* AFHO/Minor M&R/USAG Grafenwoehr	1,487	227	64
* AFHO/Major M&R/USAG Grafenwoehr	1,487	163	59
* AFHO/Minor M&R/USAG Stuttgart	1,335	221	7
* AFHO/Major M&R/USAG Stuttgart	1,335	214	30
* AFHO/Minor M&R/USAG Wiesbaden	2,064	246	4
* AFHO/Minor M&R/USAG Daegu	55	5	5
* AFHO/Minor M&R/USAG Yongsan	267	4	2
* AFHO/Minor M&R/Kwajalein Atoll	452	300	14
* AFHO/Minor M&R/Lake City AAP	5	2	2
* AFHO/Major M&R/Watervliet Arsenal	16	16	4
FY 2018 total units demolished/ divested/ or otherwise permanently removed from Family housing inventory			276
* Disposal/Dugway	210	2	1
* Demolition/Sierra	19	18	18
* Demolition/Natick SCC	76	76	24
* Reduction due to Right-Sizing/USAG Ansbach	1,041	173	24
* Disposal/USAG Baumholder	1,309	90	38
* Conversion/USAG Baumholder	1,309	52	61
* Conversion/USAG Stuttgart	1,335	221	1
* Conversion/USAG Italy	249	249	1
* Conversion/USAG Wiesbaden	2,064	242	43
* Conversion/Camp Zama	797	42	31
* Disposal/Kwajaleing Atoll	452	286	34
Total Units at end of FY 2018	10,939	1,632	671

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Fiscal Year (FY) 2018 Budget Estimates
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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
AUTHORIZATION AND APPROPRIATION LANGUAGE

AUTHORIZATION LANGUAGE

SEC.2102. FAMILY HOUSING

(a) CONSTRUCTION AND ACQUISITION. -- Using amounts appropriated pursuant to the authorization of appropriations in section 2104(a)(5)(A), the Secretary of the Army may construct or acquire Family housing units at the installations, for the purposes, and in the amounts set forth in the following table:

Army Family Housing

State	Installation	Purpose	Amount (\$)
Georgia	Fort Gordon	9 units	6,100,000
Massachusetts	Natick	28 units	21,000,000
Germany	South Camp Vilseck	36 units	22,445,000
Germany	Baumholder	80 units	34,156,000
Korea	Camp Humphreys	n/a	34,402,000
Kwajalein	Kwajalein Atoll	22 units	31,000,000
	Total	175 units	149,103,000

(b) PLANNING AND DESIGN. -- Using amounts appropriated pursuant to the authorization of appropriations in section 2104(a)(5)(A), the Secretary of the Army may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of Family housing units in an amount not to exceed [\$2,618,000] \$33,559,000.

SEC. 2104. AUTHORIZATION OF APPROPRIATIONS, ARMY.

(a) IN GENERAL.

(5) For military Family housing functions:

(A) For construction and acquisition, planning and design, and improvements of military Family housing and facilities, [\$157,172,000] \$182,662,000.

(B) For support of military Family housing (including the functions described in Section 2833 of Title 10, United States Code), and notwithstanding other provisions of law, for support of military Family housing authorized in Subchapter II of Title 10, United States Code [\$325,995,000] \$346,625,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
AUTHORIZATION AND APPROPRIATION LANGUAGE (Continued)

APPROPRIATION LANGUAGE

Family Housing Construction, Army

For expenses of Family housing for the Army for construction, including acquisition, replacement, addition, expansion, extension, alteration, architectural and engineering services and construction design activities for construction and improvements as authorized by law, [\$157,172,000] \$182,662,000 to remain available until September 30, 2022.

Family Housing Operation and Maintenance, Army

For expenses of Family housing for the Army for operation and maintenance, including debt payment, leasing, privatization oversight, minor construction, and principal and interest charges, as authorized by law, [\$325,995,000] \$346,625,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
AUTHORIZATION AND APPROPRIATION LANGUAGE (Continued)

Items of Interest – MILCON Appropriations Committees

According to Title 10 USC Sections 2831 and 2884 and Public Law 114-223, MILCON/VA Appropriations Act, 2017, the Army provides the following reports:

General and Flag Officers Quarters, Maintenance and Repair over \$35K (See Tab, GFOQ M&R over \$35K);

General and Flag Officers Quarters, Anticipated Operation and Maintenance Expenditures Exceeding \$35K per Unit (See Tab, GFOQ O&M costs);

General and Flag Officers Quarters, Units Over 6,000 Net Square Feet (NSF) (See Tab, GFOQ O&M costs);

General and Flag Officers Quarters, Annual Cost Report (Submitted separately).

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
NEW CONSTRUCTION

(\$ in Thousands)

FY 2018 Budget Request	\$114,947
FY 2017 Program Budget	\$154,554

PURPOSE AND SCOPE

This program provides for construction where analysis indicates it is more economical to build new units rather than lease or revitalize existing Army Family housing. New units are built when adequate off post housing is not available. Cost estimates include site preparation, demolition, land acquisition, construction, and initial outfitting with fixtures and integral equipment, along with associated facilities such as roads, driveways, walks, utility systems, and community facilities.

PROGRAM SUMMARY

Authorization is requested in FY 2018 for:

1. Construction of 95 new Family housing units.
2. Appropriation in the amount of \$114,947,000 to fund construction of 95 new Family housing units.

A summary of the requested new construction funding program for FY 2018 follows:

Location	Mission	Units Constructed	Units Demolished	Amount (\$000)
Fort Gordon, GA	Current	9		6,100
Natick, MA	Current	28	23	21,000
South Camp Vilseck, GE	Current	36		22,445
Camp Humphreys, KO	Current	n/a		34,402*
Kwajalein Atoll	Current	22	34	31,000
	TOTAL:	95	57	114,947

* Second increment of funding for project authorized in FY 2017 for \$297 million.

1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 APR 2017		
3. INSTALLATION AND LOCATION Fort Gordon Georgia			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 0.89			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016		2081	5893	3337	823	4415	20	187	2915	5675	25,346
B. END FY 2022		2020	5554	3343	840	4531	7	187	2562	6139	25,183
7. INVENTORY DATA (\$000)											
A. TOTAL AREA.....		23,684 ha		(58,524 AC)							
B. INVENTORY TOTAL AS OF 05 OCT 2016.....							4,451,251				
C. AUTHORIZATION NOT YET IN INVENTORY.....							9,000				
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....							6,100				
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....							0				
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0				
G. REMAINING DEFICIENCY.....							0				
H. GRAND TOTAL.....							4,466,351				
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE	PROJECT TITLE	SCOPE/UM			(\$000)		START	COMPLETE			
71115	Family Housing New Construction	9.00/FA(9.00/FA)			6,100		04/2016	10/2017			
TOTAL						6,100					
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE						(\$000)				
A. INCLUDED IN THE FY 2019 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A				
10. MISSION OR MAJOR FUNCTIONS:											
Fort Gordon has numerous tenant units with diverse missions. The major tenant is the U.S. Army Signal Corps. Fort Gordon has the largest information technology and communications training school in the Armed Forces. It is also home to the U.S. Army Cyber Command, the Southeast (SE) Regional Medical Command, the SE Regional Veterinary Command, the SE Regional Dental Command, the 93rd Sig Bde, the Gordon Regional Security Operations Center - one of three Joint CONUS-based intelligence platforms, the 513th MI Bde - theater-level intelligence and security, and Reserve/National Guard units.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
						(\$000)					
A. AIR POLLUTION							0				
B. WATER POLLUTION							0				
C. OCCUPATIONAL SAFETY AND HEALTH							0				

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 28 APR 2017	
3. INSTALLATION AND LOCATION Fort Gordon Georgia				4. PROJECT TITLE Family Housing New Construction		
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 71115	7. PROJECT NUMBER 87205		8. PROJECT COST (\$000) Approp 6,100	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						4,669
71111 General Officer, O7, 4 Bedroom		FA	4 --		612,966	(2,452)
71115 Senior NCO, E-9, 4 Bedroom		FA	5 --		416,719	(2,084)
Sustainability/Energy Measures		LS	--		--	(73)
Building Information Systems		LS	--		--	(60)
SUPPORTING FACILITIES						787
Electric Service		LS	--		--	(82)
Water, Sewer, Gas		LS	--		--	(55)
Paving, Walks, Curbs And Gutters		LS	--		--	(156)
Storm Drainage		LS	--		--	(27)
Site Imp(271) Demo()		LS	--		--	(271)
Information Systems		LS	--		--	(196)
ESTIMATED CONTRACT COST						5,456
CONTINGENCY (5.00%)						273
SUBTOTAL						5,729
SUPV, INSP & OVERHEAD (5.70%)						327
TOTAL REQUEST						6,056
TOTAL REQUEST (ROUNDED)						6,056
INSTALLED EQT-OTHER APPROP						(272)
10. Description of Proposed Construction Construct nine single Family housing units at Ft. Gordon. Four of these units will be constructed for General Officers (4 bedrooms, 2.5 bathrooms each) and five units (4 bedrooms, 2.5 bathrooms each) for Command Sergeants Major. The project includes both heated space and unheated space; unheated spaces are garages, storage, patios/porches, and mechanical rooms. Landscaping will be provided along with individual unit utility meters, carbon monoxide detection, residential heating and air conditioning, and equipment and appliances for fully functional residences. Also provided will be information systems and a Utility Monitoring and Control System(UMCS). The existing housing units that will remain in this area are considered historic, therefore the new units will be designed to retain this historic character. New housing will be designed for a 25 year life and comply with standards in Unified Facilities Criteria 4-711-01, 1-200-01 and Army Sustainable Design and Development (SDD) and Energy Policy Act of 2005 (EPAct05) policies. Supporting facilities include neighborhood amenities; site development; retaining walls; water, sewer, gas, storm drainage, and electric utilities and connections to their respective main lines; lighting; paving, parking, sidewalks, and curbs and gutters; information systems, and signage. Heating and air conditioning will be provided by self-contained systems. One General Officer unit and one Command Sergeant Major unit will be accessible or readily and easily modifiable for use by persons with disabilities. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related design services are required. Air Conditioning (Estimated 281 kW/80 Tons).						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 APR 2017
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3. INSTALLATION AND LOCATION Fort Gordon Georgia	4. PROJECT TITLE Family Housing New Construction
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5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 71115	7. PROJECT NUMBER 87205	8. PROJECT COST (\$000) Approp 6,100
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PROJECT: Construct nine housing units at Ft. Gordon, 4 units with 4 bedrooms each for General Officers and 5 units with 4 bedrooms each for Command Sergeants Major. (Current Mission)

REQUIREMENT: This project is required to support the Army directed mission to establish Army Cyber Command at Ft. Gordon. Newly assigned units and organizations, commanded by General Officers and Senior Non-Commissioned Officers, will be assigned over the next five years, and adequate on post housing is not available. These individuals are considered Key and Essential and therefore are required to live on post. The most recent Housing Market Analysis shows 8 Key and Essential 07 and above personnel and 34 Key and Essential E9 personnel and supports a housing deficit of over 100 units on post.

The requirement for housing units is as follows:

General Officer	Command Sergeant Major
1 3-star ARCYBER Commander (quarters available)	1 CSM
1 2-star CYBER COE Commander (quarters available)	1 CSM
1 1-star 7th Signal Commander (quarters available)	1 CSM
1 2-star ARCYBER Deputy	
2 1-star ARCYBER OPS	
1 1-star CYBER COE Commandant	2 CSM

TOTAL: 7 GO units required; 3 available 5 CSM units required; 0 available

Grade	# BR	Gross SF	# Units	Total (\$000)
General Officers	4	3,330	4	\$1,919,708
CSM (E-9)	4	2,310	5	\$1,613,135

CURRENT SITUATION: There are currently only three adequate housing units on Ft. Gordon designed for these Senior individuals.

IMPACT IF NOT PROVIDED: If this project is not provided, the General Officers and Senior Non-Commissioned Officers for whom this project is intended will be required to live off post, creating a security problem for them and their Family members. Mission response time will also be adversely affected as will quality of life.

ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in-accordance-with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 APR 2017
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3. INSTALLATION AND LOCATION Fort Gordon Georgia	4. PROJECT TITLE Family Housing New Construction
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5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 71115	7. PROJECT NUMBER 87205	8. PROJECT COST (\$000) Approp 6,100
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ADDITIONAL: (CONTINUED)
are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	APR 2016
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2017
(d) Date Design Complete.....	OCT 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design:N

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	63
(b) All Other Design Costs.....	987
(c) Total Design Cost.....	1,050
(d) Contract.....	450
(e) In-house.....	600

(4) Construction Contract Award.....	MAR 2018
(5) Construction Start.....	MAY 2018
(6) Construction Completion.....	NOV 2019

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 28 APR 2017
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3. INSTALLATION AND LOCATION Fort Gordon Georgia	4. PROJECT TITLE Family Housing New Construction
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5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 71115	7. PROJECT NUMBER 87205	8. PROJECT COST (\$000) Approp 6,100
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12. SUPPLEMENTAL DATA (CONTINUED..)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Stove Tops	AFH	2018	11
Refrigerators	AFH	2018	9
Dish Washers	AFH	2018	9
Ovens	AFH	2018	11
Drapes	AFH	2018	20
Area Rugs	AFH	2018	18
Info Sys - ISC	OPA	2019	194
Info Sys - PROP	OPA	2019	0
		Total	<u>272</u>

Installation Engineer
Phone Number:

706-791-3225

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (YYMMDD) 170405		2. FISCAL YEAR 2018		REPORT CONTROL SYMBOL DD-AT&L(AR)1716	
3. DOD COMPONENT Army		4. REPORTING INSTALLATION							
5. DATA AS OF 150930		a. NAME USAG Fort Gordon				b. LOCATION Fort Gordon, GA			
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED				
	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (c)	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (c)	
6. TOTAL PERSONNEL STRENGTH	2,066	7,164	686	9,916	2,027	7,641	732	10,400	
7. PERMANENT PARTY PERSONNEL	2,066	7,164	686	9,916	2,027	7,641	732	10,400	
8. GROSS FAMILY HOUSING REQUIREMENTS	1,598	4,765	220	6,583	1,573	5,063	234	6,870	
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	194	850	31	1,075					
a. INVOLUNTARILY SEPARATED	0	0	0	0					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0					
c. UNACCEPTABLY HOUSED - IN COMMUNITY	194	850	31	1,075					
10. VOLUNTARY SEPARATIONS	56	360	13	429	55	384	14	453	
11. EFFECTIVE HOUSING REQUIREMENTS	1,348	3,555	176	5,079	1,518	4,679	220	6,417	
12. HOUSING ASSETS (a+b)	1,239	2,835	53	4,127	1,295	3,587	152	5,034	
a. UNDER MILITARY CONTROL	0	0	0	0	4	5	0	9	
(1) Housed in Existing DoD Owned/Controlled	0	0	0	0				0	
(2) Under Contract/Approved					4	5	0	9	
(3) Vacant	0	0	0	0					
(4) Inactive	0	0	0	0					
b. PRIVATE HOUSING	1,239	2,835	53	4,127	1,291	3,582	152	5,025	
(1) Acceptably Housed	716	1,848	5	2,569					
(2) Acceptable Vacant Rental	523	987	48	1,558					
13. EFFECTIVE HOUSING DEFICIT	109	720	123	952	223	1,092	68	1,383	
14. PROPOSED PROJECT					4	5	0	9	
15. REMARKS (Specify item number) FY2018, PN87205, construct 9 single Family Housing (FH) units for General Officers (GO's) and Senior Non-Commissioned Officers (SNCO). There are 9 four bedroom (4-BR) FH residences; there is no demolition associated with this project. Supporting facilities include neighborhood amenities; site development; retaining walls; water, sewer, gas, storm drainage, and electric utilities and connections to their respective main lines; lighting; paving, parking, sidewalks, and curbs and gutters; information systems, individual unit utility meters, carbon monoxide detection, residential heating and air conditioning, signage, a Utility Monitoring and Control System, and equipment and appliances for fully functional residences.									

1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 APR 2017		
3. INSTALLATION AND LOCATION Soldier Systems Ctr (Natick) Massachusetts			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 1.22			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016		29	55	852	0	0	0	0	31	613	1,580
B. END FY 2022		31	55	711	0	0	0	0	31	784	1,612
7. INVENTORY DATA (\$000)											
A. TOTAL AREA..... 91 ha (226 AC)											
B. INVENTORY TOTAL AS OF 05 OCT 2016.....										433,951	
C. AUTHORIZATION NOT YET IN INVENTORY.....										0	
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....										21,000	
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....										0	
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....										0	
G. REMAINING DEFICIENCY.....										0	
H. GRAND TOTAL.....										454,951	
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE		PROJECT TITLE			SCOPE/UM		(\$000)		START		COMPLETE
71116		Construction			28.00/FA(28.00/FA)		21,000		07/2015		03/2017
							TOTAL		21,000		
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE		PROJECT TITLE			(\$000)						
A. INCLUDED IN THE FY 2019 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):										N/A	
10. MISSION OR MAJOR FUNCTIONS:											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
										(\$000)	
A. AIR POLLUTION										0	
B. WATER POLLUTION										0	
C. OCCUPATIONAL SAFETY AND HEALTH										0	

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 11 MAY 2017	
3. INSTALLATION AND LOCATION Soldier Systems Ctr (Natick) Massachusetts				4. PROJECT TITLE Family Housing Replacement Construction		
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 71116	7. PROJECT NUMBER 75718		8. PROJECT COST (\$000) Approp 21,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						13,584
71116 Junior NCO Enlisted E-1 thru 6 4		FA	8 --		414,765	(3,318)
71115 Senior NCO, E-7&8 4 Bedrooms, CO		FA	6 --		446,641	(2,680)
71114 CO Grade Officer, O1-3 4 Bedroom		FA	6 --		446,641	(2,680)
00000 Special Foundation		LS	--		--	(174)
71112 Family Housing, Colonel, Grade O		FA	2 --		668,934	(1,338)
Total from Continuation page(s)						(3,394)
SUPPORTING FACILITIES						4,215
Electric Service		LS	--		--	(324)
Water, Sewer, Gas		LS	--		--	(848)
Paving, Walks, Curbs And Gutters		LS	--		--	(611)
Storm Drainage		LS	--		--	(149)
Site Imp(931) Demo(1,047)		LS	--		--	(1,978)
Information Systems		LS	--		--	(176)
Antiterrorism Measures		LS	--		--	(129)
ESTIMATED CONTRACT COST						17,799
CONTINGENCY (5.00%)						890
SUBTOTAL						18,689
SUPV, INSP & OVERHEAD (5.70%)						1,065
DESIGN/BUILD-DESIGN COST (4.00%)						748
TOTAL REQUEST						20,502
TOTAL REQUEST (ROUNDED)						21,000
INSTALLED EQT-OTHER APPROP						(84)
10. Description of Proposed Construction Construct twenty-eight (28) Family Housing Quarters consisting of twenty-four (24) units located at Heritage Lane Housing Area and four (4) units located at General Greene Avenue Housing Area. Heritage Lane Housing Area will include twenty (20) four-bedroom townhouses consisting of eight (8) Junior Non-Commissioned Officers (E1-E6) units, six (6) Senior Non-Commissioned Officers (E7-E8) units, six (6) Company Grade Officers (O1-O3) units and two (2) duplex's consisting of two (2) Three-Bedroom Field Grade Officers (O4/5 & W4/5) units and two (2) Four-Bedroom Junior Non-Commissioned Officers (E1-E6) units. General Greene Avenue Housing Area will include four (4) detached units consisting of two (2) Four-Bedroom Senior Grade Officers (O6) units, one (1) Four-Bedroom Field Grade Officer (O4/5) unit and one (1) Four-Bedroom Senior Non-Commissioned Officer (E9) unit. Project includes living areas, kitchen, bathrooms, bedrooms, storage, garages, private entrance, patios, backyard fencing, landscaping, and individual unit utility meters. Supporting facilities include site work, walkways, roads, all required utility systems, storm drainage, street lighting, and information systems. Heating and air conditioning will be provided by self-contained systems. Residential automatic fire sprinkler system will be provided. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Accessibility for individuals with disabilities will be provided in five (5) percent of quarters. Project shall comply with the Army Standard for Family Housing and UFC 4-711-01. Design and construction includes requirements of current						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 MAY 2017
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3. INSTALLATION AND LOCATION Soldier Systems Ctr (Natick) Massachusetts	4. PROJECT TITLE Family Housing Replacement Construction
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5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 71116	7. PROJECT NUMBER 75718	8. PROJECT COST (\$000) Approp 21,000
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9. COST ESTIMATES (CONTINUED)

ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
71113 LT. Colonel & Major, Grade O4&5	FA	1 --	602,055	(602)
71115 Senior NCO, E-9 4 Bedrooms, CONU	FA	1 --	605,751	(606)
71113 LT. Colonel & Major, Grade O4&5	FA	1 --	525,685	(526)
71113 Warrant Officer, Grade W4&5 3 Be	FA	1 --	525,685	(526)
71116 Junior NCO Enlisted E-1 thru 6 4	FA	2 --	471,452	(943)
Sustainability/Energy Measures	LS	--	--	(191)
			Total	3,394

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

Sustainable Design and Development Policy Update (Environmental and Energy Performance). Facilities will be designed to a minimum life of 25 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Demolish 11 buildings at Soldier System Center, MA (Total 3,886 m2/41,826 SF). Air Conditioning (Estimated 176 kW/50 Tons).

PROJECT: Construct 28 Family Housing quarters at Heritage Lane Housing area and General Green Housing area. Construction at Heritage Lane Housing Area will include twenty (20) four-bedroom townhouses consisting of eight (8) Junior Non-Commissioned Officers (E1-E6) units, six (6) Senior Non-Commissioned Officers (E7-E8) units, six (6) Company Grade Officers (O1-O3) units and two (2) duplex's consisting of two (2) Three-Bedroom Field Grade Officers (O4/5 & W4/5) units and two (2) Four-Bedroom Junior Non-Commissioned Officers (E1-E6) units. Construction at General Greene Avenue Housing Area will include four (4) detached units consisting of two (2) Four-Bedroom Senior Grade Officers (O6) units, one (1) Four-Bedroom Field Grade Officer (O4/5) unit and one (1) Four-Bedroom Senior Non-Commissioned Officer (E9) unit. (Current mission)

REQUIREMENT: This project is required to improve existing Family housing living conditions by providing quarters that meet current standards of quality of life, energy conservation, size, habitability, and safety. Existing homes are inadequate in terms of Army Family Housing (AFH) standards for size, configuration and amenities.

CURRENT SITUATION: USAG Natick currently maintains 75 dwelling units in four separate communities. The 2014 Housing Market Requirements Analysis established an Army requirement for 48 Family housing units. Currently the Garrison has 75 Family housing units that are failing and in failed condition, and do not meet minimum standards to support the needs of the Soldiers and Families assigned to the Soldier Support Center (SSC). The residences are geographically dispersed in 4 locations, with only Heritage Lane being contiguous to SSC. The most remote housing area is 12 miles from SSC that requires Service Members and their Families to travel over winding narrow roads with a minimal commute time of 45 minutes or more each way that residents must travel. Additionally the remoteness of the three housing areas (former Nike Missile sites), increases operations and maintenance costs as well as impacting response time due to the remoteness of the housing areas making it difficult for Army leaders to ensure the safety of Army Families.

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 MAY 2017
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3. INSTALLATION AND LOCATION Soldier Systems Ctr (Natick) Massachusetts	4. PROJECT TITLE Family Housing Replacement Construction
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5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 71116	7. PROJECT NUMBER 75718	8. PROJECT COST (\$000) Approp 21,000
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IMPACT IF NOT PROVIDED: If this project is not provided, service members will not be able to find adequate, affordable units within the housing market area and will have to either live in inadequate housing or outside the area requiring an excessive commute. This will adversely affect the quality of life for these enlisted and officer personnel and their Families.

ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	JUL 2015
(b) Percent Complete as of January 2017.....	35.00
(c) Date 35% Designed.....	JAN 2016
(d) Date Design Complete.....	MAR 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design:Y

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	475
(b) All Other Design Costs.....	91
(c) Total Design Cost.....	566
(d) Contract.....	523
(e) In-house.....	43

(4) Construction Contract Award..... JAN 2018

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 MAY 2017
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3. INSTALLATION AND LOCATION Soldier Systems Ctr (Natick) Massachusetts	4. PROJECT TITLE Family Housing Replacement Construction
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5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 71116	7. PROJECT NUMBER 75718	8. PROJECT COST (\$000) Approp 21,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(5) Construction Start.....	JUN 2018
(6) Construction Completion.....	NOV 2019

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Equipment/Appliances	AFH	2018	56
Equipment/Appliances	AFH	2018	28
Info Sys - ISC	OPA	2019	0
Info Sys - PROP	OPA	2019	0
		Total	84

Installation Engineer
Phone Number: 508-233-6310

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (YYMMDD) 170405		2. FISCAL YEAR 2018		REPORT CONTROL SYMBOL DD-AT&L(AR)1716	
3. DOD COMPONENT Army		4. REPORTING INSTALLATION							
5. DATA AS OF 141007		a. NAME Soldiers Systems Ctr (Natick)				b. LOCATION USAG Natick, MA			
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED				
	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (c)	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (c)	
6. TOTAL PERSONNEL STRENGTH	117	197	9	323	114	196	9	319	
7. PERMANENT PARTY PERSONNEL	117	197	9	323	114	196	9	319	
8. GROSS FAMILY HOUSING REQUIREMENTS	53	160	0	213	51	159	0	210	
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	6	40	0	46					
a. INVOLUNTARILY SEPARATED	0	0	0	0					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0					
c. UNACCEPTABLY HOUSED - IN COMMUNITY	6	40	0	46					
10. VOLUNTARY SEPARATIONS	0	3	0	3	0	3	0	3	
11. EFFECTIVE HOUSING REQUIREMENTS	53	157	0	210	51	156	0	207	
12. HOUSING ASSETS (a+b)	53	161	0	214	51	183	0	234	
a. UNDER MILITARY CONTROL	11	66	0	77	10	61	0	71	
(1) Housed in Existing DoD Owned/Controlled	0	11	0	11	10	61	0	71	
(2) Under Contract/Approved					0	0	0	0	
(3) Vacant	7	22	0	29					
(4) Inactive	4	33	0	37					
b. PRIVATE HOUSING	42	95	0	137	41	122	0	163	
(1) Acceptably Housed	42	95	0	137					
(2) Acceptable Vacant Rental	0	0	0	0					
13. EFFECTIVE HOUSING DEFICIT	0	0	0	0	0	0	0	0	
14. PROPOSED PROJECT					11	7	10	28	
15. REMARKS (Specify item number) FY2018, PN75718, construct twenty-eight (28) Family housing units comprised of twenty (20) four-bedroom townhouses consisting of eight (8) Junior Non-Commissioned Officers (E1-E6) units, six (6) Senior Non-Commissioned Officers (E7-E8) units, six (6) Company Grade Officers (O1-03) units; and two (2) duplex's consisting of two (2) Three-Bedroom Field Grade Officers (O4/5 & W4/5) units and two (2) Four-Bedroom Junior Non-Commissioned Officers (E1-E6) units; and four (4) detached units consisting of two (2) Four-Bedroom Senior Grade Officers (O6) units, one (1) Four-Bedroom Field Grade Officer (O4/5) unit and one (1) Four-Bedroom Senior Non-Commissioned Officer (E9) units and 23 units will be demolished. Project includes living areas, kitchen, bathrooms, bedrooms, storage, garages, private entrance, patios, backyard fencing, landscaping, and individual unit utility meters. Supporting facilities include site work, walkways, roads, all required utility systems, storm drainage, street lighting, and information systems.									

1. COMPONENT ARMY	FY 2018 MILITARY CONSTRUCTION PROGRAM									2. DATE 10 APR 2017	
3. INSTALLATION AND LOCATION Germany Various Germany			4. COMMAND US Army Installation Management Command						5. AREA CONSTRUCTION COST INDEX 1.07		
6. PERSONNEL STRENGTH:	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL		
A. AS OF 31 OCT 2016	4448	17695	12750	6	104	8	2672	5410	17482	60,575	
B. END FY 2022	4595	18778	12150	4	115	2	2620	5335	16090	59,689	
7. INVENTORY DATA (\$000)											
A. TOTAL AREA..... 46,185 ha (114,126 AC)											
B. INVENTORY TOTAL AS OF 05 OCT 2016.....							43,492,776				
C. AUTHORIZATION NOT YET IN INVENTORY.....							965,034				
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....							56,601				
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....							31,000				
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0				
G. REMAINING DEFICIENCY.....							0				
H. GRAND TOTAL.....							44,545,411				
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:											
CAT							COST	DESIGN STATUS			
CODE	PROJECT TITLE			SCOPE/UM			(\$000)	START	COMPLETE		
71116	Family Housing Improvements			80.00/FA(80.00/FA)			34,156	05/2017	12/2017		
71116	Family Housing New Construction			36.00/FA(36.00/FA)			22,445	06/2016	09/2017		
TOTAL							56,601				
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE						(\$000)				
A. INCLUDED IN THE FY 2019 PROGRAM:											
71116	Family Housing Improvements						31,000				
TOTAL							31,000				
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A				
10. MISSION OR MAJOR FUNCTIONS:											
Installations support US Army, Europe and Seventh Army (USAREUR), a trained and ready force capable of rapidly responding and operating jointly in support of US European Command (EUCOM) theater strategy. Installations serve as a base for projecting power in and out of the EUCOM area of responsibility by providing facilities for training, maintaining, housing, and supporting USAREUR's subordinate and supporting units/organizations.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
							(\$000)				
A. AIR POLLUTION							0				
B. WATER POLLUTION							0				
C. OCCUPATIONAL SAFETY AND HEALTH							0				

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 11 MAY 2017	
3. INSTALLATION AND LOCATION South Camp Vilseck Germany (Germany Various)				4. PROJECT TITLE Family Housing New Construction		
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 71116	7. PROJECT NUMBER 78713		8. PROJECT COST (\$000) Approp 22,445	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						15,554
71116 Junior NCO 3 Bedrooms Housing		FA	18 --		362,039	(6,517)
71116 Junior NCO 4 Bedrooms Housing		FA	18 --		391,502	(7,047)
00000 Cybersecurity		LS	--		--	(250)
89120 Water Sprinkler Bldg		m2 (SF)	13 (140)		3,664	(48)
17122 Transformer Building		m2 (SF)	17.19 (185)		3,918	(67)
Sustainability/Energy Measures		LS	--		--	(1,625)
SUPPORTING FACILITIES						4,517
Electric Service		LS	--		--	(583)
Water, Sewer, Gas		LS	--		--	(836)
Paving, Walks, Curbs And Gutters		LS	--		--	(443)
Storm Drainage		LS	--		--	(348)
Site Imp(2,054) Demo()		LS	--		--	(2,054)
Information Systems		LS	--		--	(253)
ESTIMATED CONTRACT COST						20,071
CONTINGENCY (5.00%)						1,004
SUBTOTAL						21,075
SUPV, INSP & OVERHEAD (6.50%)						1,370
TOTAL REQUEST						22,445
TOTAL REQUEST (ROUNDED)						22,445
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct 36 townhouse style units for Junior Non-Commissioned Officers (JNCO)(18 three-bedroom and 18 four-bedroom units). Floor plans and specifications follow established standard townhouse designs from previous projects at installation, Ansbach and Wiesbaden. Project includes individual unit metering of utilities, hard wired interconnected smoke detectors, carbon monoxide detection, garages, storage, patios, backyard fencing, landscaping, and all equipment an appliances for fully functional residential living units. Project includes neighborhood amenities, walkways, roads, utilities, Utility Energy Monitoring and Control System (UEMCS), environmental measures required by law and associated supporting infrastructure. Local construction methods and materials will be used to include tile roofs, 110/220V electric systems, masonry walls, prefab concrete floors & ceilings, exterior insulation and stucco, European windows and doors. Project shall comply with the Army Standard for Family Housing and the Army Family Housing Standard Design Criteria. At least five percent of these units will be accessible or readily and easily modifiable for use by persons with disabilities. Facilities will be designed to a minimum life of 25 years and energy efficiencies meeting, on average, ASHRAE 189.1 standards through improved building envelop and integrated building systems performance.						
Grade #BR Net SF Gross SF Gross SM Proj Factor \$/GSM #Units Total(\$K)						

JNCO	4	1,573	1,950	181	1.408	1,550 18 7,110

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA				2. DATE 11 MAY 2017	
3. INSTALLATION AND LOCATION South Camp Vilseck Germany (Germany Various)				4. PROJECT TITLE Family Housing New Construction			
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 71116		7. PROJECT NUMBER 78713		8. PROJECT COST (\$000) Approp 22,445	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)							
JNCO	3	1,315	1,630	151	1.408	1,550	18 5,932
							-- -----
					TOTAL	36	13,042
<p><u>PROJECT:</u> Construction of 36 Junior Non-Commissioned Officer Family housing units to include neighborhood amenities, energy conservation and supporting infrastructure. (Current Mission)</p> <p><u>REQUIREMENT:</u> Army Stationing and Installation Plan (ASIP) documents the end-state population at the Grafenwoehr/Vilseck community to include 8,166 permanent party military personnel. The new townhouses in Vilseck are required to provide quality on-post housing for junior enlisted Families.</p> <p><u>CURRENT SITUATION:</u> There is currently a lack of Family housing units on the Main Post and Rose Barracks for the garrison's military population. Lease and off post rental units have been exhausted to the maximum extent possible. Grafenwoehr/Vilseck is a very rural area, and there are no large population centers near the installations that can provide the required amounts of Family housing. Private rental market is saturated, the 2015 HRMA for USAG Bavaria reflects a Family Housing Deficit. When combined with the increased demand for off-post houses to support Government of Germany programs, it makes this AFHC request a priority for the Army. The garrison remains concerned that the housing market has yet to feel the full extent of the refugee resettlement and threat laydowns are still being worked that may further limit suitable off-post housing. USAG Bavaria remains vigilant in our force protection posture in the current environment, both on- and off-post. On-post housing remains critical to Soldier and Family readiness and resiliency.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, this additional Family housing to support USAREUR stationing requirements cannot be realized and 36 military personnel and their families assigned to Bavaria will not be able to live on post and meet current Army standards.</p> <p><u>ADDITIONAL:</u> Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.</p> <p><u>NATO SECURITY INVESTMENT:</u> This project is not within an established NATO infrastructure category of common funding nor is it expected to become eligible in the foreseeable future.</p>							

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 11 MAY 2017
3. INSTALLATION AND LOCATION South Camp Vilseck Germany (Germany Various)		4. PROJECT TITLE Family Housing New Construction		
5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 71116	7. PROJECT NUMBER 78713	8. PROJECT COST (\$000) Approp 22,445	

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	JUN 2016
(b) Percent Complete as of January 2017.....	65.00
(c) Date 35% Designed.....	OCT 2016
(d) Date Design Complete.....	SEP 2017
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design:Y

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):

(\$000)

(a) Production of Plans and Specifications.....	40
(b) All Other Design Costs.....	1,160
(c) Total Design Cost.....	1,200
(d) Contract.....	1,000
(e) In-house.....	200

(4) Construction Contract Award..... JAN 2018

(5) Construction Start..... MAR 2018

(6) Construction Completion..... MAR 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NONE		

Installation Engineer

Phone Number: 314-475-6400

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD) 170411		2. FISCAL YEAR 2018		REPORT CONTROL SYMBOL DD-AT&L(AR)1716		
3. DOD COMPONENT Army		4. REPORTING INSTALLATION						
5. DATA AS OF 160216		a. NAME South Camp Vilseck, GE			b. LOCATION South Camp Vilseck, GE Germany, Various			
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (c)	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (c)
6. TOTAL PERSONNEL STRENGTH	886	5,129	2,190	8,205	833	4,953	2,115	7,901
7. PERMANENT PARTY PERSONNEL	886	5,129	2,190	8,205	833	4,953	2,115	7,901
8. GROSS FAMILY HOUSING REQUIREMENTS	544	3,312	611	4,467	509	3,197	589	4,295
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	37	302	84	423				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0				
c. UNACCEPTABLY HOUSED - IN COMMUNITY	37	302	84	423				
10. VOLUNTARY SEPARATIONS	15	237	29	281	15	230	29	274
11. EFFECTIVE HOUSING REQUIREMENTS	492	2,773	498	3,763	494	2,967	560	4,021
12. HOUSING ASSETS (a+b)	492	2,773	498	3,763	773	2,632	418	3,823
a. UNDER MILITARY CONTROL	418	2,309	418	3,145	418	2,345	418	3,181
(1) Housed in Existing DoD Owned/Controlled	391	2,076	418	2,885	418	2,345	418	3,181
(2) Under Contract/Approved					0	0	0	0
(3) Vacant	18	172	0	190				
(4) Inactive	9	61	0	70				
b. PRIVATE HOUSING	74	464	80	618	355	287	0	642
(1) Acceptably Housed	74	464	80	618				
(2) Acceptable Vacant Rental	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	0	0	0	0	0	335	142	477
14. PROPOSED PROJECT					0	36	0	36
15. REMARKS (Specify item number) FY2018, PN 78713, construct 36 townhouse style units for Junior Non-Commissioned Officer (JNCO) consisting of 18 four bedroom (4-BR) FH residences and 18 three bedroom (3-BR) FH residences; there is no demolition associated with this project. Project includes individual unit metering of utilities, hard wired interconnected smoke detectors, carbon monoxide detection, garages, storage, patios, backyard fencing, landscaping, neighborhood amenities, walkways, roads, utilities, Utility Energy Monitoring and Control System, environmental measures required by law and associated supporting infrastructure and all equipment and appliances for fully functional residential living units.								

1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 APR 2017		
3. INSTALLATION AND LOCATION Korea Various Korea			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 1.14			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016		3217	18811	9240	0	82	0	1651	6332	8668	48,001
B. END FY 2022		3463	20596	8799	0	95	0	1698	6337	7259	48,247
7. INVENTORY DATA (\$000)											
A. TOTAL AREA.....		7,876 ha		(19,461 AC)							
B. INVENTORY TOTAL AS OF 05 OCT 2016.....								14,779,427			
C. AUTHORIZATION NOT YET IN INVENTORY.....								465,989			
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....								0			
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....								62,000			
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....								0			
G. REMAINING DEFICIENCY.....								0			
H. GRAND TOTAL.....								15,307,416			
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE		PROJECT TITLE			SCOPE/UM		(\$000)		START		COMPLETE
71115 2		Family Housing New Construction Incr			432.00/FA(432.00/FA)		34,402		07/2015		03/2018
							TOTAL		34,402		
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE		PROJECT TITLE					(\$000)				
A. INCLUDED IN THE FY 2019 PROGRAM:											
71116		Family Housing Replacement Construction					62,000				
71115		Family Housing New Construction Incr 3					80,000				
							TOTAL		142,000		
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							N/A				
10. MISSION OR MAJOR FUNCTIONS:											
Eighth United States Army (EUSA) exercises command and control of all assigned units. Organizes, equips, trains, and employs forces to ensure optimum readiness for combat operations. Maintains a posture of combat readiness to deter any attack upon the Republic of Korea (ROK) and if deterrence fails, conducts sustained Army, joint, and combined military operations to defeat the enemy. Provides logistical and administrative support for forces, including Headquarters, United Nations Command (HQ UNC), in order to fulfill the operational requirements of Republic of Korea - US Combined Forces Command (ROK-US CFC) and US Forces, Korea (USFK).											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
							(\$000)				
A. AIR POLLUTION							0				
B. WATER POLLUTION							0				
C. OCCUPATIONAL SAFETY AND HEALTH							0				

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 APR 2017	
3. INSTALLATION AND LOCATION Camp Humphreys Korea (Korea Various)				4. PROJECT TITLE Family Housing New Construction Incr 2		
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 71115	7. PROJECT NUMBER 91380		8. PROJECT COST (\$000) Approp 34,402	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						238,167
71115 Senior NCO, E-7&8 3 Bedrooms, OC		FA	288 --		317,335	(91,392)
71115 Senior NCO, E-7&8 4 Bedrooms, OC		FA	108 --		361,179	(39,007)
71115 Senior NCO, E-7&8 5 Bedrooms, OC		FA	36 --		414,451	(14,920)
00000 Special Foundation		LS	--		--	(19,373)
71115 Elevators		EA	18 --		120,442	(2,168)
Total from Continuation page(s)						(71,307)
SUPPORTING FACILITIES						27,037
Electric Service		LS	--		--	(2,223)
Water, Sewer, Gas		LS	--		--	(7,025)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,826)
Storm Drainage		LS	--		--	(4,628)
Site Imp(9,789) Demo()		LS	--		--	(9,789)
Information Systems		LS	--		--	(606)
Antiterrorism Measures		LS	--		--	(940)
ESTIMATED CONTRACT COST						265,204
CONTINGENCY (5.00%)						13,260
SUBTOTAL						278,464
SUPV, INSP & OVERHEAD (6.50%)						18,100
TOTAL REQUEST						296,564
TOTAL REQUEST (ROUNDED)						297,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction This is an incrementally funded project. Congress authorized the full amount of \$297M in FY 2017. The first increment of \$100M was appropriated in FY2017(PN86689). The second funding increment of \$34.402M is requested in FY 2018(PN91380). The third funding increment of \$80.598M will be requested in FY 2019(PN86877). The fourth increment of \$82M will be requested in FY 2020(PN91327). This project constructs high rise, multi-story Family housing apartment towers to accommodate a total of 432 Family Dwelling Units for accompanied Senior Non-Commissioned Officers (E7-E8) and accompanied Company Grade and Warrant Officer (O1-O3 & W1-W3). The groups have identical space requirements. Apartment configurations are planned to be 288 three-bedroom, 108 four-bedroom and 36 five-bedroom units. Project includes an underground parking garage, elevators, common areas, basement space special foundations and building information systems. Ancillary facilities include: Tot lots, multi-age playgrounds, BBQ grill storage area, public restrooms. Project will provide individual heating and air conditioning controls, hard-wire interconnected smoke/carbon monoxide detectors, storage and appliances. Antiterrorism/Force Protection (AT/FP) will be provided as appropriate, including mass notification systems, CCTV, access control for the buildings and parking garage and other site measures. Facilities will be designed to a minimum life of 40 years and energy efficiencies meeting, on average, ASHRAE 189.1 standards through improved building envelope and integrated building systems performance. Public areas, as well as a minimum of five percent of the individual dwelling units, will be accessible and easily modifiable to accommodate the requirements of persons with disabilities. Central fire						

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 APR 2017
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3. INSTALLATION AND LOCATION Camp Humphreys Korea (Korea Various)	4. PROJECT TITLE Family Housing New Construction Incr 2
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5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 71115	7. PROJECT NUMBER 91380	8. PROJECT COST (\$000) Approp 34,402
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9. COST ESTIMATES (CONTINUED)

ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
71115 Electronic and Physical Security	LS	--	--	(156)
71115 Underground Parking Garage	m2 (SF)	19,877 (213,952)	892.44	(17,739)
71115 Basements	LS	--	--	(17,163)
71115 Common Area	LS	--	--	(23,888)
Sustainability/Energy Measures	LS	--	--	(3,224)
Antiterrorism Measures	LS	--	--	(2,517)
Building Information Systems	LS	--	--	(6,620)
			Total	71,307

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

protection & alarm system and utility monitoring and control system (UMCS) will be provided. Comprehensive building and furnishings-related interior design services are required. Heating, ventilation and air conditioning will be provided. Supporting facilities include underground utilities; security lighting; paving, walks, curbs and gutters; fencing & gates; signage; dumpster pad/trash enclosure; storm drainage; exterior information systems; landscaping, and site improvements.

PROJECT: Construct high rise, multi-story Family housing apartment towers to accommodate a total of 432 Family Dwelling Units for accompanied Senior Non-Commissioned Officers (E7-E8) and accompanied Company Grade and Warrant Officer (O1-O3 & W1-W3), with ancillary facilities. (Current Mission)

REQUIREMENT: This project is required as a result of the relocation of US Forces in Korea to the two hubs at 1. USAG Humphreys/Osan AB and 2. USAG Daegu. The Yongsan Relocation Plan (YRP) agreement between the US and Republic of Korea (ROK) allows US Forces to be consolidated south of the Han River and return numerous small Army Garrison sites to the host nation. YRP will require the majority of command sponsored military personnel and Families to relocate from USAG Yongsan to USAG Humphreys. The Land Partnership Plan (LPP) agreement also relocates military personnel from Area I to USAG Humphreys, causing additional facility requirements at Humphreys. This project will be built on USAG Humphreys, which is an enduring installation.

CURRENT SITUATION: There is insufficient inventory of Family housing units at USAG Humphreys to accommodate the number of Families that will reside at Humphreys upon completion of the US Forces relocation.

IMPACT IF NOT PROVIDED: If this project is not provided, the Garrison will not be able to provide the required on-post dwelling units, as directed by USFK. 40% of the total command sponsored Families are required to live on-post.

ADDITIONAL: The Host Nation (ROK) has previously funded the construction of 327 Family housing units. These units are currently under construction. This project has been coordinated with the installation physical security plan and all physical security measures are included. All required anti-terrorism/force protection measures are included. Alternative methods of meeting the requirement have been explored during project development. This project is the only feasible option to meet this new

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 APR 2017
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3. INSTALLATION AND LOCATION Camp Humphreys Korea (Korea Various)	4. PROJECT TITLE Family Housing New Construction Incr 2
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5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 71115	7. PROJECT NUMBER 91380	8. PROJECT COST (\$000) Approp 34,402
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ADDITIONAL: (CONTINUED)
requirement. Sustainable principles will be integrated into the design, development, and construction of this project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. The Deputy Assistant Secretary of the Army (Installations, Housing, and Partnerships) certifies that this project has been considered for joint use potential. This facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy -complying with applicable laws and executive orders. This project is located on an installation which will be retained by Eighth United States Army for the foreseeable future. The possibility of Host Nation funding has been addressed but sufficient funds from the Host Nation programs are not available to support this requirement. Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in-accordance-with Executive Order 11988. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders. This project is located on an installation which will be retained by Eighth United States Army for the foreseeable future. The possibility of Host Nation funding has been addressed but sufficient funds from the Host Nation programs are not available to support this requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... JUL 2015
 - (b) Percent Complete as of January 2017..... 35.00
 - (c) Date 35% Designed..... JAN 2017
 - (d) Date Design Complete..... MAR 2018
 - (e) Parametric Cost Estimating Used to Develop Costs.. YES
 - (f) Type of Design Contract: Design-bid-build
 - (g) An energy study and life cycle cost analysis will be documented during the final design.

- (2) Basis:
 - (a) Standard or Definitive Design:N

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 0
 - (b) All Other Design Costs..... 12,053
 - (c) Total Design Cost..... 12,053

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 APR 2017
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3. INSTALLATION AND LOCATION Camp Humphreys Korea (Korea Various)	4. PROJECT TITLE Family Housing New Construction Incr 2
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5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 71115	7. PROJECT NUMBER 91380	8. PROJECT COST (\$000) Approp 34,402
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(d) Contract.....	8,036
(e) In-house.....	4,017
(4) Construction Contract Award.....	AUG 2017
(5) Construction Start.....	OCT 2017
(6) Construction Completion.....	SEP 2021

B. Equipment associated with this project which will be provided from other appropriations:

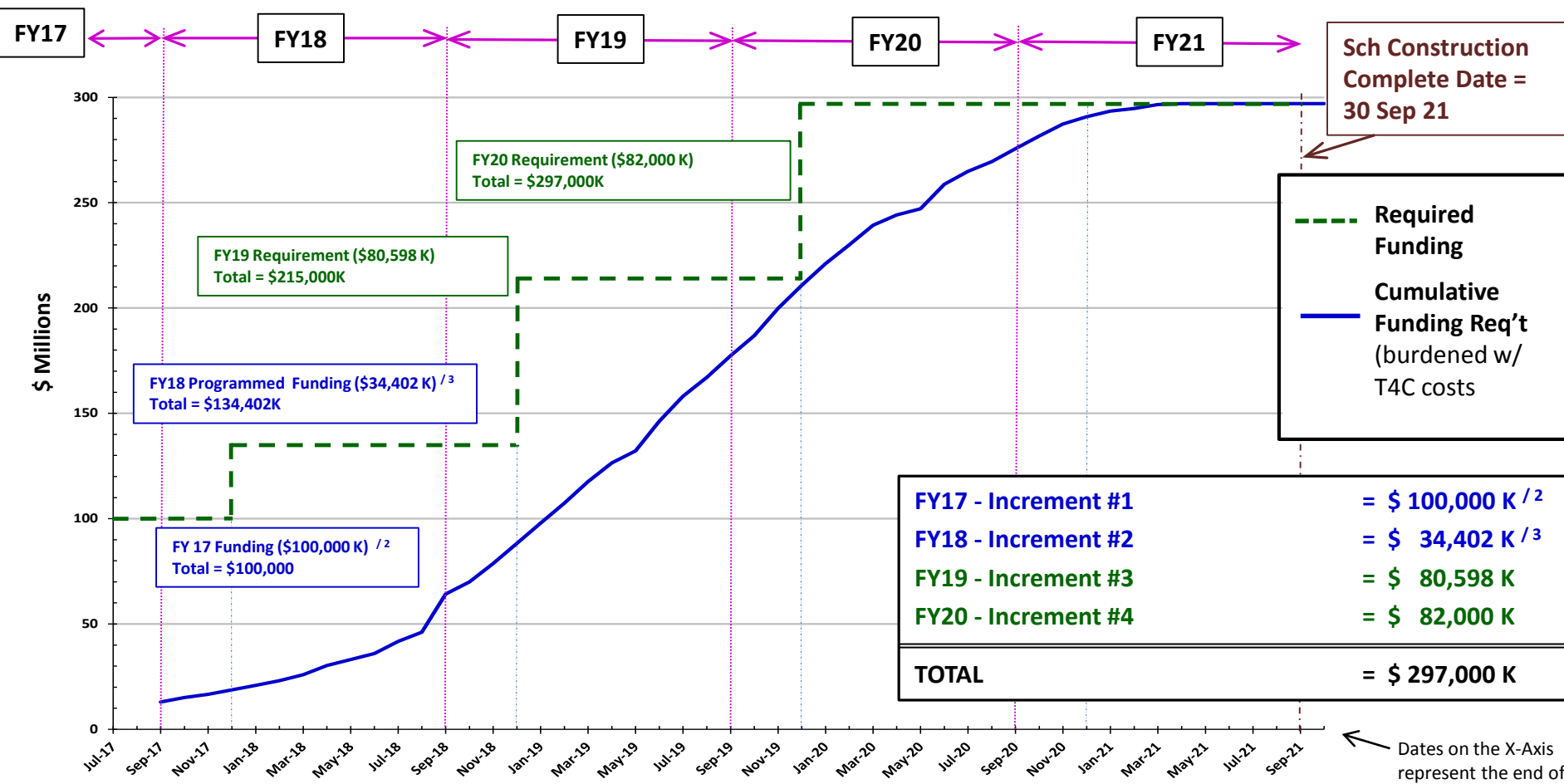
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NONE		

Work In Place (WIP) Curve – USAG Humphreys – FY17 AFH New Construction

PN 86689 / Full Authorization = \$297,000 K /¹ / Sch Award Date = 18 Aug 17 /⁴



As of: 15 May 2017



Note 1: FY17 President's Budget requested one project = \$143,5643K. FY17 NDAA authorized both FY17 & FY19 scope = \$297,000K.

Note 2: FY17 MILCON/VA Appropriation Act provided \$100,000K for FY17 project.

Note 3: FY18 President's Budget Request (Incr #2) = \$34,402.

Note 4: The full scope of this project will be awarded via two separate contracts of approximately similar size. Contract #1 is scheduled for award in Aug 2017. Contract #2 is scheduled for award in Oct 2018.

Assumption: Incremental funds will be available 1 Jan of the FY

1. COMPONENT ARMY		FY 2018 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 APR 2017		
3. INSTALLATION AND LOCATION Kwajalein Atoll Kwajalein			4. COMMAND US Army Space & Missile Defense Command					5. AREA CONSTRUCTION COST INDEX 2.65			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2016		13	5	72	0	0	0	1	18	2144	2,253
B. END FY 2022		12	7	61	0	0	0	1	18	1341	1,440
7. INVENTORY DATA (\$000)											
A. TOTAL AREA..... 551 ha (1,361 AC)											
B. INVENTORY TOTAL AS OF 05 OCT 2016.....										3,657,467	
C. AUTHORIZATION NOT YET IN INVENTORY.....										0	
D. AUTHORIZATION REQUESTED IN THE FY 2018 PROGRAM.....										31,000	
E. AUTHORIZATION INCLUDED IN THE FY 2019 PROGRAM.....										0	
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....										0	
G. REMAINING DEFICIENCY.....										0	
H. GRAND TOTAL.....										3,688,467	
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2018 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE		PROJECT TITLE			SCOPE/UM		(\$000)		START		COMPLETE
71114		Construction			22.00/FA(22.00/FA)		31,000		10/2015		08/2017
							TOTAL		31,000		
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE		PROJECT TITLE					(\$000)				
A. INCLUDED IN THE FY 2019 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):										N/A	
10. MISSION OR MAJOR FUNCTIONS:											
Provide technical and logistical support for on-site ballistic missile defense research and development programs. Provide technical support for strategic offensive weapon system development and operational testing. Collect data on objects in space. Maintain and foster relationships with the Government of the Republic of the Marshall Islands.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
										(\$000)	
A. AIR POLLUTION										0	
B. WATER POLLUTION										0	
C. OCCUPATIONAL SAFETY AND HEALTH										0	

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 APR 2017	
3. INSTALLATION AND LOCATION Kwajalein Atoll Kwajalein				4. PROJECT TITLE Family Housing Replacement Construction		
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 71114	7. PROJECT NUMBER 65981		8. PROJECT COST (\$000) Approp 31,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						22,045
71114 CO Grade Officer		FA	22 --		935,729	(20,586)
Sustainability/Energy Measures		LS	--		--	(1,459)
SUPPORTING FACILITIES						5,906
Electric Service		LS	--		--	(422)
Water, Sewer, Gas		LS	--		--	(2,626)
Paving, Walks, Curbs And Gutters		LS	--		--	(180)
Storm Drainage		LS	--		--	(4)
Site Imp(1,630) Demo(703)		LS	--		--	(2,333)
Information Systems		LS	--		--	(341)
ESTIMATED CONTRACT COST						27,951
CONTINGENCY (5.00%)						1,398
SUBTOTAL						29,349
SUPV, INSP & OVERHEAD (6.50%)						1,908
TOTAL REQUEST						31,257
TOTAL REQUEST (ROUNDED)						31,000
INSTALLED EQT-OTHER APPROP						(396)
10. Description of Proposed Construction Construct 22 three-bedroom units, two-story duplex and quadruplex for Company Grade Officers and their Families. Project includes required structural slab and demolition of 34 existing housing units (6 buildings) which complies with the provisions of UFC 4-711-01, Family Housing. Each replacement housing unit includes living areas, kitchen, bathrooms, bedrooms, storage, and laundry room. Heating, ventilation, and air conditioning will be provided. Project includes metal roofing, wall insulation, fire protection and alarm system, dishwasher, range/oven exhaust hood, telephone and internet wiring, individual air conditioning controls, hard-wired interconnected smoke detectors, storage, applicable military physical and informational security systems, and all equipment and Government furnished/contractor installed appliances for functional living units. Materials for construction shall be corrosion resistant, mold resistant, termite resistant, and meet air tightness per International Energy Conservation Code. Supporting facilities include required utility systems and connections, security lighting, paving, walks, curbs, gutters, fencing, gates, signage, dumpster pad, trash enclosures, and site improvements. Project to be certified at the LEED Silver Label and includes energy conservation measures for each unit such as photo voltaic cells wired to the post electrical grid and solar collectors. Each dwelling unit will be individually metered to comply with ECB 2015-2 (Advanced Metering and Connectivity). Project will comply with Department of Defense Antiterrorism and Force Protection (AT/FP) requirements to include mass notification system, and other site measures. Public areas, as well as a minimum of five percent of the individual dwelling units will be handicap accessible and easily modifiable for use by persons with						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 10 APR 2017	
3. INSTALLATION AND LOCATION Kwajalein Atoll Kwajalein			4. PROJECT TITLE Family Housing Replacement Construction		
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 71114	7. PROJECT NUMBER 65981	8. PROJECT COST (\$000) Approp 31,000	

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

disabilities. Handicap modifiable units will be entirely on the first floor. Comprehensive building and furnishings-related interior design services are required. Replacement housing will be designed and constructed to serve a life expectancy of more than 25 years and comply with standards in Unified Facilities Criteria 4-711-01, 1-200-01 and Army Sustainable Design and Development policy. Demolish 4 buildings at Kwajalein Atoll, KI (Total 3,694 m2/39,760 SF).

PROJECT: Construct 22 three-bedroom units, two-story duplex and quadruplex for Company Grade Officers and their Families including supporting infrastructure and demolition of 34 existing housing units.

REQUIREMENT: This project is required to reduce the deficit of on post housing and replacement of uninhabitable units due to inappropriate design for a tropical climate. This project supports 22 of the total requirement to house 18 Military and 63 Key Essential DOD Civilian Employees and their Families. This project does not address the requirement to house 368 contractors. The conditions of these units are due to improper venting and insulation of attic spaces, and inadequate insulation of HVAC ductwork promoted the growth of mold and mildew behind the walls and ceilings resulting in the breakdown of drywall, ceiling, and flooring material. The structural wood is deteriorated promoting unsafe conditions for personnel living in the units. In addition, the existing housing's wood framing was not adequately protected as part of the design allowing termites to begin nesting in the structures and causing rapid deterioration of structural members. Thus, comprehensive building and furnishings design services are required.

CURRENT SITUATION: There are no existing Family housing facilities that can be upgraded or expanded to meet the requirements of the units stationed at USAG Kwajalein. The majority of the existing units have been abandoned due to the conditions created through improper design. Families have been moved into temporary and permanent units that have exceeded their design life. Maintenance costs on the currently habitable units are becoming unsustainable. Without this project, the Garrison will not be sustainable in seven to ten years.

Kwajalein is a remote island located in the Republic of the Marshall Islands. Typical options such as RCI or off-post housing are not possible here. RCI is based upon private firms being able to gain a return on their investment. The remoteness of Kwajalein drives the cost of project development and construction to almost three times the typical CONUS cost thus making RCI or other market options untenable. The nearest island, Ebeye, with a population about one third the size of Kwajalein is not feasible due to the infrastructure on the island not up to current American standards and not able to sustain any additional population without significant additional support.

IMPACT IF NOT PROVIDED: If this project is not provided, then the Garrison will not be able to provide the required 81 on-post dwelling units to house military and key essential DOD civilians. Families will continue to live in temporary and permanent units that have exceeded their design life. Maintenance and repair costs for these units cannot be sustained with the continually shrinking budgets the Garrison is currently witnessing. Without viable housing, personnel will not accept assignments to this location and

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 APR 2017
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3. INSTALLATION AND LOCATION Kwajalein Atoll Kwajalein	4. PROJECT TITLE Family Housing Replacement Construction
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5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 71114	7. PROJECT NUMBER 65981	8. PROJECT COST (\$000) Approp 31,000
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IMPACT IF NOT PROVIDED: (CONTINUED)
current personnel retention will plummet making it impossible to support Kwajalein's on-going mission as a national test range for the Department of Defense.
ADDITIONAL: This project is located on an installation which will be retained by U.S. Army Space and Missile Command for the foreseeable future. Required assessments have been made for supporting facilities and the project is in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components.
NATO SECURITY INVESTMENT: This project is not within an established NATO infrastructure category of common funding nor is it expected to become eligible in the foreseeable future.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... OCT 2015
 - (b) Percent Complete as of January 2017..... 35.00
 - (c) Date 35% Designed..... JAN 2017
 - (d) Date Design Complete..... AUG 2017
 - (e) Parametric Cost Estimating Used to Develop Costs.. NO
 - (f) Type of Design Contract: Design-bid-build
 - (g) An energy study and life cycle cost analysis will be documented during the final design.

- (2) Basis:
 - (a) Standard or Definitive Design:N

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 1,800
 - (b) All Other Design Costs..... 23
 - (c) Total Design Cost..... 1,823
 - (d) Contract..... 1,800
 - (e) In-house..... 23

- (4) Construction Contract Award..... MAR 2018

- (5) Construction Start..... MAY 2018

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 APR 2017
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3. INSTALLATION AND LOCATION Kwajalein Atoll Kwajalein	4. PROJECT TITLE Family Housing Replacement Construction
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5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 71114	7. PROJECT NUMBER 65981	8. PROJECT COST (\$000) Approp 31,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(6) Construction Completion..... SEP 2020

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furniture	AFHO	2020	396
Info Sys - ISC	OPA	2019	0
Info Sys - PROP	OPA	2019	0
		Total	<u>396</u>

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (YYMMDD) 0		2. FISCAL YEAR 2018		REPORT CONTROL SYMBOL DD-AT&L(AR)1716	
3. DOD COMPONENT Army		4. REPORTING INSTALLATION							
5. DATA AS OF 150831		a. NAME USAG Kwajalein Atoll				b. LOCATION USAG Kwajalein Atoll, Marshall Islands			
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (c)	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (c)
6. TOTAL PERSONNEL STRENGTH		86	23	0	109	83	25	0	108
7. PERMANENT PARTY PERSONNEL		86	23	0	109	83	25	0	108
8. GROSS FAMILY HOUSING REQUIREMENTS		76	5	0	81	81	10	0	91
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)		76	5	0	81				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		76	5	0	81				
c. UNACCEPTABLY HOUSED - IN COMMUNITY		0	0	0	0				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		76	5	0	81	81	10	0	91
12. HOUSING ASSETS (a+b)		47	5	0	52	47	5	0	52
a. UNDER MILITARY CONTROL		47	5	0	52	47	5	0	52
(1) Housed in Existing DoD Owned/Controlled		47	5	0	52	47	5	0	52
(2) Under Contract/Approved						0	0	0	0
(3) Vacant		0	0	0	0				
(4) Inactive		0	0	0	0				
b. PRIVATE HOUSING		0	0	0	0	0	0	0	0
(1) Acceptably Housed		0	0	0	0				
(2) Acceptable Vacant Rental		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		29	0	0	29	34	5	0	39
14. PROPOSED PROJECT						22	0	0	22
15. REMARKS (Specify item number) FY2022, PN65981, construct 22 single Family Housing (FH) units for Company Grade Officers (CGOs). Project includes construction of 22 three bedroom (3-BR) FH residences and demolishing 34 FH units. Each replacement housing unit includes living areas, kitchen, bathrooms, bedrooms, storage, and laundry room. Heating and air conditioning will be provided. Materials for construction shall be corrosion resistant, mold resistant, termite resistant, and meet air tightness per International Energy Conservation Code. Supporting facilities include required utility systems and connections, security lighting, paving, walks, curbs, gutters, fencing, gates, signage, dumpster pad, trash enclosures, and site improvements. This project is required to reduce the deficit of on post housing and replacement of uninhabitable units due to inappropriate design for a tropical climate.									

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
CONSTRUCTION IMPROVEMENTS

(\$ in Thousands)

FY 2018 Budget Request	\$34,156
FY 2017 Program Budget	\$0

PURPOSE AND SCOPE

This Construction Improvements program provides funding for the improvement of existing Family housing units by revitalization. Revitalization of military Family housing units is requested when it is more economical to renovate rather than replace.

These existing units require major improvements, or revitalization, to meet contemporary living and energy standards.

PROGRAM SUMMARY

Authorization is requested for appropriation for whole house revitalization and improvements to 80 units. Projects exceeding the statutory funding limitation (10 USC 2825) of \$50,000 per dwelling unit (adjusted by the area construction cost factor) are documented by the DD Forms 1391 which follow this summary. This project is listed in the following table:

<u>Location</u>	<u>Historic</u>	<u>Type</u>	<u>No. of Units</u>	<u>Amount (\$000)</u>
<u>Construction Improvements</u>				
Baumholder, GE	No	JNCO	80	34,156
Total Construction Improvements			80	34,156

FUNDING SUMMARY

Construction Improvements <u>Program (\$000)</u>	Requested Authorization <u>Amount (\$000)</u>
34,156	34,156

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 11 MAY 2017	
3. INSTALLATION AND LOCATION Baumholder Mil Cnty Germany (Germany Various)				4. PROJECT TITLE Family Housing Improvements		
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 71116	7. PROJECT NUMBER 71425		8. PROJECT COST (\$000) Approp 34,156	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						26,271
71116 Junior NCO/Enlisted E1-6 3-Bedro		FA	64 --		294,725	(18,862)
71116 Junior NCO/Enlisted E1-6 4-Bedro		FA	16 --		330,015	(5,280)
71116 Building Info Systems Req'mts fo		EA	80 --		2,699	(216)
71116 Automatic Fire Sprinkler System		EA	80 --		12,218	(977)
Sustainability/Energy Measures		LS	--		--	(670)
Antiterrorism Measures		LS	--		--	(266)
SUPPORTING FACILITIES						3,168
Electric Service		LS	--		--	(542)
Water, Sewer, Gas		LS	--		--	(377)
Paving, Walks, Curbs And Gutters		LS	--		--	(900)
Storm Drainage		LS	--		--	(373)
Site Imp(389) Demo()		LS	--		--	(389)
Building Structural Improvements		LS	--		--	(587)
ESTIMATED CONTRACT COST						29,439
CONTINGENCY (5.00%)						1,472
SUBTOTAL						30,911
SUPV, INSP & OVERHEAD (6.50%)						2,009
DESIGN/BUILD-DESIGN COST (4.00%)						1,236
TOTAL REQUEST						34,156
TOTAL REQUEST (ROUNDED)						34,156
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Whole Neighborhood Revitalization (WNR)of 80 Army Family Housing (AFH) Dwelling Units (DUs) in four existing inadequate four-story stairwell apartment buildings. Project reconfigures buildings to combine and right-size 96 undersized apartments into 80 units meeting current standards. Project provides replacement of deteriorated building systems and components to include electrical and mechanical systems, improvements to comply with applicable force protection and energy conservation requirements, addition of balconies, fire alarm/sprinkler systems, modernize common stairwell walk-ups, construct private laundry rooms in each apartment, restore and modernize kitchens and bathrooms, heating systems, interior plumbing, electrical systems (110 and 220V), TV/telephone/Internet wiring and distribution, built in closets, doors, windows, repair of basement areas and storage rooms. On the exterior of the buildings repair/replace failed/failing gutters and downspouts, connections to storm drainage lines, leaks in roof, damp-proofing of perimeter basement walls, replace damaged roof tiles and exterior insulation, patch plaster, re-paint building exterior, install neighborhood recreational amenities, exterior flammable storage and trash collection enclosures, upgrade electrical, water and sewer utility distribution systems, upgrade landscaping, playgrounds and provide covered parking. Project includes provisions for removal of asbestos, lead-based paint and Polycyclic Aromatic Hydrocarbons (PAH). Project shall comply with the Army Standard for Family Housing. Design will ensure all applicable requirements of the current Sustainable Design and Development Policy Update (Environmental and Energy Performance) are met and buildings will be designed to a						

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 11 MAY 2017	
3. INSTALLATION AND LOCATION Baumholder Mil Cnty Germany (Germany Various)			4. PROJECT TITLE Family Housing Improvements		
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 71116	7. PROJECT NUMBER 71425	8. PROJECT COST (\$000) Approp 34,156	

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

minimum life of 25 years and energy efficiencies meeting, on average, ASHRAE 189.1 standards through improved building envelop and integrated building systems performance. At least five percent of these units will be accessible or readily and easily modifiable for use by persons with disabilities.

PROJECT: Modernize and improve Junior non-Commissioned Officer and enlisted Family housing in stairwell type Family Housing buildings. Resultant Dwelling Units = 80. (Current Mission)

REQUIREMENT: This project is required to improve existing Family housing conditions for the Baumholder military population, to ensure military Family housing conforms to Army standards for adequacy, comfort, habitability, size, force protection, safety and energy conservation. This project is required to revitalize the inventory in Baumholder that was deferred for recapitalization funding until the European Infrastructure Consolidation (EIC) study was complete. EIC is now complete and Baumholder is confirmed as an enduring installation. This project is required to again make Baumholder a viable community and housing area to support military and Families assigned to this enduring installation. This neighborhood will provide Soldiers and Families an equivalent housing standard as that provided to CONUS based Soldiers.

CURRENT SITUATION: Existing housing is 1950s era multi-story apartment buildings with common stairwell walkups. Each building is 4-stories high with 24 undersized units that do not meet quality of life or Antiterrorism / Force Protection (AT/FP) standards. Buildings have utility systems, doors, windows, roofing, exterior facades, kitchens, baths and other major building components that have outlived their useful life. This project continues execution of the Region's strategy to recapitalize worst stairwell buildings first.

IMPACT IF NOT PROVIDED: If this project is not provided, Service Members will continue to reside in inadequate and undersized housing that will continue to deteriorate and consume increased maintenance and energy costs. This adversely affects the quality of life of the Soldiers and their Families.

ADDITIONAL: USAREUR's Conventional Forces Europe (CFE) planners have certified the end-state requirement for this installation. This project has been coordinated with the installation physical security plan, and all required physical security measures as well as required antiterrorism protection measures are included. The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive Orders. Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in-accordance-with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 MAY 2017
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3. INSTALLATION AND LOCATION Baumholder Mil Cnty Germany (Germany Various)	4. PROJECT TITLE Family Housing Improvements
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5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 71116	7. PROJECT NUMBER 71425	8. PROJECT COST (\$000) Approp 34,156
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ADDITIONAL: (CONTINUED)
 this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.
NATO SECURITY INVESTMENT: This project is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible in the foreseeable future. This project is not within an established NATO infrastructure category of common funding nor is it expected to become eligible in the foreseeable future.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... MAY 2017
 - (b) Percent Complete as of January 2017..... 0.00
 - (c) Date 35% Designed..... JUL 2017
 - (d) Date Design Complete..... DEC 2017
 - (e) Parametric Cost Estimating Used to Develop Costs.. NO
 - (f) Type of Design Contract: Design-build
 - (g) An energy study and life cycle cost analysis will be documented during the final design.

- (2) Basis:
 - (a) Standard or Definitive Design:Y

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 1,500
 - (b) All Other Design Costs..... 53,500
 - (c) Total Design Cost..... 55,000
 - (d) Contract..... 27,500
 - (e) In-house..... 27,500

- (4) Construction Contract Award..... MAR 2018

- (5) Construction Start..... JUN 2018

- (6) Construction Completion..... DEC 2021

1. COMPONENT Army	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 MAY 2017
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3. INSTALLATION AND LOCATION Baumholder Mil Cmty Germany (Germany Various)	4. PROJECT TITLE Family Housing Improvements
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5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 71116	7. PROJECT NUMBER 71425	8. PROJECT COST (\$000) Approp 34,156
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12. SUPPLEMENTAL DATA (CONTINUED..)

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NONE		

Installation Engineer
Phone Number:

DSN 314-493-4736

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
PLANNING AND DESIGN

(\$ in Thousands)

FY 2018 Budget Request	\$33,559
FY 2017 Program Budget	\$2,618

PURPOSE AND SCOPE

This program provides funding for preparing working drawings, specifications, cost estimates, project planning reports, final design drawings and reviews of construction proposals. Also included are architectural and engineering services supporting new or improvement construction projects and costs incurred in developing requests for project proposals. These funds are used to plan and design future Family housing new and improvement construction, as well as energy conservation projects.

Authorization and Appropriation Request

Authorization and appropriation is requested for [\$2,618,000] \$33,559,000 in FY 2018 to fund Family housing construction planning and design activities.

PROGRAM SUMMARY

Planning and Design funds will provide for solicitation of FY 2018 projects, final design of FY 2019 projects and initiation of design of FY 2020 projects. This funding also provides for studies and updating construction standards and criteria.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 APR 2017	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various				4. PROJECT TITLE Family Housing P & D		
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 96100	7. PROJECT NUMBER 81177		8. PROJECT COST (\$000) Approp 33,559	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						33,559
96100 Planning and Design		LS	--		--	(33,559)
SUPPORTING FACILITIES						
ESTIMATED CONTRACT COST						33,559
CONTINGENCY (0.00%)						0
SUBTOTAL						33,559
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						33,559
TOTAL REQUEST (ROUNDED)						33,559
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Provides for parametric, concept and final design of Family housing new and improvement projects; associated surveys; value engineering; and development of standards and criteria for Army Family housing facilities and properties.						
PROJECT: Planning and design funding for Family housing.						
REQUIREMENT: This funding is required to provide for Architect-Engineer (A-E) services, site surveys and preparation of designs and specifications for the Army Family housing construction program, including value engineering, and continued development of design criteria, standards, specifications and technical manuals. Funds will be used by the US Army Corps of Engineers (USACE) for in-house designs, A-E contracts, and administrative support functions. These funds are required for accomplishment of final correction, review, reproduction and advertisement of FY 2018 projects; for advancement to final design of FY 2019 projects; and for initiation of design of FY 2020 projects.						
IMPACT IF NOT PROVIDED: If these funds are not provided, development of Family housing new and improvement projects will not be accomplished, preventing execution of the FY 2018, 2019 and 2020 construction programs.						

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
OPERATION, MAINTENANCE, AND UTILITIES

(\$ in Thousands)

FY 2018 Budget Request	\$177,194
FY 2017 Program Budget	\$175,088

PURPOSE AND SCOPE

1. Operation Account. The Operation account provides for expenses in the following sub-accounts and includes both direct and indirect support for operation, maintenance, and utilities for government-owned, government-operated Family housing units, as applicable:

a. Management – Provides funding for Family housing management, installation administrative support and for services provided by Housing Services Offices (HSO) to provide information to place Families in local community housing. It also includes housing requirement surveys, condition assessments of existing housing, and development of Family housing construction and repair projects. The Management account provides for the operation of the Family housing modules of the enterprise Military Housing (eMH) system that supports effective housing management and personnel costs for those Army employees staffing the HSO at all locations, including privatized housing locations.

b. Services – Provides basic installation service support functions such as refuse collection and disposal, insect and pest control, snow removal and street cleaning, and the Family housing proportional share of fire and police protection.

c. Furnishings – Provides for procurement, management, control, moving and handling of furnishings and household equipment; maintenance, repair, and replacement of existing furnishings and equipment at all installations, including General/Flag Officers Quarters (GFOQ) at privatized housing locations.

d. Miscellaneous – Provides payments to Department of Homeland Security for Coast Guard Family housing units occupied by Army personnel.

2. Maintenance Account. The Maintenance account provides funding for the following activities required to maintain Family housing real property assets:

a. Recurring Maintenance & Repair (M&R) – Includes service calls, interior and exterior painting, between occupancy maintenance, and minor M&R work.

b. Major Maintenance and Repair – Major M&R work continues our revitalization program to extend the useful life of the quarters, reduce future maintenance and utility costs, and increase occupancy. This account also provides for repairs and improvements to extend the useful life of units.

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 OPERATION, MAINTENANCE, AND UTILITIES (Continued)

c. Exterior Utilities – Includes costs for Maintenance and Repair (M&R) of sewer and water lines, primary and secondary electric lines, and other exterior utilities used exclusively by Family housing.

d. Maintenance and Repair, Other Real Property – Includes work on grounds, surfaced areas, playgrounds, and other real property serving the Family housing community.

e. Alterations & Additions – Includes low-cost incidental (minor) improvements not to exceed \$3,000 per dwelling unit. This work is normally performed concurrently with maintenance and repair projects and includes modifications to quarters to meet the needs of exceptional Family members.

3. Utilities Account. The Utilities account includes the costs of heat, air conditioning, electricity, water, and sewage for Family housing units.

PROGRAM SUMMARY

Authorization and appropriation are requested for [\$175,088,000] \$177,194,000 for FY 2018. This amount, together with estimated reimbursements of [\$15,000,000] \$15,000,000, will fund the Operation, Utilities, and Maintenance program at [\$190,088,000] \$192,194,000. A summary follows:

<u>(\$ in Thousands)</u>					
<u>Operation</u>	<u>Maintenance</u>	<u>Utilities</u>	<u>Total Direct</u>	<u>Reimburse- ment</u>	<u>Total Program</u>
59,235	57,708	60,251	177,194	15,000	192,194

EXHIBIT FH-2 SUMMARY

Operational requirements are a function of the annual cost-per-unit of supported installations. In FY 2018, the foreign inventory will represent 92 percent of the average Army-owned inventory.

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 OPERATION, MAINTENANCE, AND UTILITIES (Continued)

Family Housing Operation and Maintenance Reprogramming Actions
Fiscal Year 2016

Account	FY 2016	FY 2016 DD	FY 2016 BLW	FY 2016 Above	% RPG	FY 2016 End
	Appropriation	1415 RPG	THD RPG	THD RPG		of Year
	(\$000)	(\$000)	(\$000)	(\$000)		(\$000)
Utilities	60,600.0			(13,071.0)	-22%	47,529.0
Operations	75,935.0		(3,860.0)	(640.0)	-6%	71,435.0
Management	45,615.0		(3,860.0)		-8%	41,755.0
Services	10,928.0			(3,285.0)	-30%	7,643.0
Furnishings	18,552.0			2,987.0	16%	21,539.0
Miscellaneous	840.0			(342.0)	-41%	498.0
Leasing	141,879.0			(13,299.0)	-9%	128,580.0
Maintenance	75,197.0			33,011.0	44%	108,208.0
Adjustments						
Privatization Support	22,000.0		186.0	(2,355.0)	-10%	19,831.0
Close Year App			28.0			28.0
FCF						-
Total	375,611.0	-	(3,646.0)	3,646.00		375,611.0

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 OPERATION, MAINTENANCE, AND UTILITIES (Continued)
 OPERATION AND MAINTENANCE, SUMMARY (WORLDWIDE)
Excludes Leased & Privatized Units and Costs

A. INVENTORY DATA	FY 2016 ACTUALS		FY 2017 BUDGET REQUEST		FY 2018 BUDGET ESTIMATE	
INVENTORY BEGINNING OF YEAR	10,940		10,328		10,454	
INVENTORY END OF YEAR	10,328		10,454		10,939	
EFFECTIVE AVERAGE INVENTORY	10,636		10,393		10,698	
HISTORIC UNITS	532		532		538	
UNITS REQUIRING O&M FUNDING:						
a. CONUS	793		759		869	
b. Foreign	9,843		9,634		9,829	
c. Worldwide	10,636		10,393		10,698	
B. FUNDING REQUIREMENT	UNIT COST (\$)	TOTAL COST (\$000)	UNIT COST (\$)	TOTAL COST (\$000)	UNIT COST (\$)	TOTAL COST (\$000)
1. OPERATION						
a. Management	3,903	41,507	3,882	40,344	3,467	37,089
b. Services	719	7,642	769	7,993	835	8,930
c. Furnishings	2,022	21,505	979	10,178	1,198	12,816
d. Miscellaneous	N/A	527	N/A	400	N/A	400
SUBTOTAL - OPERATION	6,643	71,181	5,630	58,915	5,500	59,235
2. UTILITIES	4,469	47,528	5,333	55,428	5,632	60,251
3. MAINTENANCE						
a. Annual Recurring M&R	3,675	39,092	2,396	24,905	2,212	23,660
b. Major M&R Projects	4,213	44,813	2,747	28,550	2,535	27,123
c. Exterior Utilities	269	2,860	175	1,822	162	1,731
d. M&R, Other Real Prop.	627	6,674	409	4,253	378	4,040
e. Alts. & Additions	179	1,908	117	1,215	108	1,154
SUBTOTAL MAINTENANCE	8,965	95,347	5,845	60,745	5,394	57,708
Foreign Currency Adjustments	N/A					
4. APPROPRIATION	20,076	214,056	16,808	175,088	16,526	177,194
5. REIMBURSABLE PROGRAM	401	4,265	1,443	15,000	1,402	15,000
6. TOTAL O&M PROGRAM	20,477	218,321	18,252	190,088	17,928	192,194

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 OPERATION, MAINTENANCE, AND UTILITIES (Continued)
 OPERATION AND MAINTENANCE, SUMMARY -- U.S. (incl. Alaska and Hawaii)
Excludes Leased & Privatized Units and Costs

A. INVENTORY DATA	FY 2016 ACTUALS		FY 2017 BUDGET REQUEST		FY 2018 BUDGET ESTIMATE	
INVENTORY BEGINNING OF YEAR	839		744		772	
INVENTORY END OF YEAR	744		772		965	
EFFECTIVE AVERAGE INVENTORY	793		759		869	
HISTORIC UNITS	532		532		538	
UNITS REQUIRING O&M FUNDING:	793		759		869	
B. FUNDING REQUIREMENT	UNIT COST (\$)	TOTAL COST (\$000)	UNIT COST (\$)	TOTAL COST (\$000)	UNIT COST (\$)	TOTAL COST (\$000)
1. OPERATION						
a. Management	25,664	20,338	26,046	19,769	20,913	18,174
b. Services	482	382	527	400	514	447
c. Furnishings	1,085	860	536	407	590	513
d. Miscellaneous	N/A	527	N/A	400	N/A	400
SUBTOTAL - OPERATION	27,231	22,108	27,635	20,975	22,477	19,533
2. UTILITIES	2,999	2,376	3,651	2,771	3,467	3,013
3. MAINTENANCE						
a. Annual Recurring M&R	2,466	1,955	1,641	1,245	1,361	1,183
b. Major M&R Projects	2,827	2,241	1,881	1,428	1,561	1,356
c. Exterior Utilities	180	143	120	91	100	87
d. M&R, Other Real Prop.	421	334	280	213	232	202
e. Alts. & Additions	120	95	80	61	66	58
SUBTOTAL MAINTENANCE	6,016	4,767	4,002	3,037	3,320	2,885
4. APPROPRIATION	36,245	29,251	35,289	26,784	29,264	25,431
5. REIMBURSABLE PROGRAM	12,099	3,412	52,174	12,000	54,545	12,000
6. TOTAL O&M PROGRAM	41,216	32,663	51,099	38,784	43,073	37,431

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 OPERATION, MAINTENANCE, AND UTILITIES (Continued)
 OPERATION AND MAINTENANCE, SUMMARY -- FOREIGN (incl. U.S. territories)
Excludes Leased & Privatized Units and Costs

A. INVENTORY DATA	FY 2016 ACTUALS		FY 2017 BUDGET REQUEST		FY 2018 BUDGET ESTIMATE	
INVENTORY BEGINNING OF YEAR	10,101		9,584		9,682	
INVENTORY END OF YEAR	9,584		9,682		9,974	
EFFECTIVE AVERAGE INVENTORY	9,843		9,634		9,829	
HISTORIC UNITS	0		0		0	
UNITS REQUIRING O&M FUNDING:	9,843		9,634		9,829	
B. FUNDING REQUIREMENT	UNIT COST (\$)	TOTAL COST (\$000)	UNIT COST (\$)	TOTAL COST (\$000)	UNIT COST (\$)	TOTAL COST (\$000)
1. OPERATION						
a. Management	2,151	21,169	2,136	20,575	1,924	18,915
b. Services	738	7,260	788	7,593	863	8,484
c. Furnishings	2,098	20,645	1,014	9,771	1,252	12,303
d. Miscellaneous	N/A	-	N/A	-	N/A	-
SUBTOTAL - OPERATION	4,986	49,073	3,938	37,940	4,039	39,702
2. UTILITIES	4,587	45,152	5,466	52,657	5,823	57,238
3. MAINTENANCE						
a. Annual Recurring M&R	3,773	37,137	2,456	23,660	2,287	22,477
b. Major M&R Projects	4,325	42,572	2,815	27,123	2,622	25,767
c. Exterior Utilities	276	2,717	180	1,731	167	1,644
d. M&R, Other Real Prop.	644	6,340	419	4,040	390	3,838
e. Alts. & Additions	184	1,813	120	1,154	112	1,096
SUBTOTAL MAINTENANCE	9,203	90,580	5,990	57,708	5,578	54,823
Foreign Currency Adjustments	N/A					
4. APPROPRIATION	18,776	184,805	15,394	148,304	15,440	151,763
5. REIMBURSABLE PROGRAM	5,703	853	5,660	3,000	5,660	3,000
6. TOTAL O&M PROGRAM	15,899	185,658	15,689	151,304	15,689	154,763

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 OPERATION, MAINTENANCE, AND UTILITIES (Continued)
 FOREIGN CURRENCY EXCHANGE DATA
 (\$ in Thousands)

Component: Army
 Date: May 2017

Army Family Housing Operations

<u>Country</u>	FY 2016		FY 2017		FY 2018	
	U.S. \$ Requiring Conversion	Budget Execution Rates	U.S. \$ Requiring Conversion	Budget Execution Rates	U.S. \$ Requiring Conversion	Budget Execution Rates
Denmark	-	-	-	-	-	-
Euro	228,500	0.9049	259,102	0.8990	266,693	0.9329
Japan	10,572	121.8300	20,001	122.4519	28,356	111.3365
Norway	-	-	-	-	-	-
Singapore	-	-	-	-	-	-
South Korea	23,500	1,163.0138	30,564	1,151.5242	34,787	1,156.1200
Turkey	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-
TOTAL	262,572		309,667		329,836	

Army Family Housing Construction

<u>Country</u>	FY 2016		FY 2017		FY 2018	
	U.S. \$ Requiring Conversion	Budget Execution Rates	U.S. \$ Requiring Conversion	Budget Execution Rates	U.S. \$ Requiring Conversion	Budget Execution Rates
Denmark	-	-	-	-	-	-
Euro	3,500	0.9049	-	-	56,601	0.9329
Japan	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Singapore	-	-	-	-	-	-
South Korea	61,000	1,163.0138	154,554	1,151.5242	34,402	1,156.1200
Turkey	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-
TOTAL	64,500		154,554		91,003	

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
OPERATION ACCOUNT

(\$ in Thousands)

FY 2018 Budget Request	\$59,235
FY 2017 Program Budget	\$58,915

Budget Methodology

The Operation account includes four sub-accounts: management, services, furnishings, and miscellaneous. All Operation sub-accounts are considered “must pay accounts” in order to manage and operate Family housing.

The Management sub-account is estimated based on historic expenditures that have been adjusted for a reduction of manpower requirements.

The Services sub-account provides police and fire protection, trash pickup and other municipal functions and is estimated based on historic, per-unit expenditures that have been adjusted for increased service contract requirements.

The Furnishings sub-account is estimated based on historic, per-unit expenditures that have been adjusted for increased requirements worldwide.

The Miscellaneous sub-account is based on anticipated interagency reimbursement (Department of Defense to Department of Homeland Security) for U.S. Coast Guard housing provided to Army personnel.

Summary of Primary Adjustments in FY 2018 Budget

The FY 2018 request supports Army-owned Family housing inventory. Funding adjustments are due primarily to increased requirements worldwide.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 OPERATION ACCOUNT
 MANAGEMENT SUB-ACCOUNT

(\$ in Thousands)

FY 2018 Budget Request	\$37,089
FY 2017 Program Budget	\$40,344

The Management sub-account provides funding for the continued requirement of salaries, referral services, housing requirements analysis, and project planning. The overall FY 2018 Management sub-account is adjusted due to a reduction of manpower requirements.

All Army installations continue to require a housing staff to provide housing services related to the community (e.g., referrals to private sector housing, deposit waiver, and community liaison). This workforce supports military personnel with their housing requirements, regardless of whether they are seeking on-post, privatized or community housing.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
OPERATION ACCOUNT
MANAGEMENT SUB-ACCOUNT
RECONCILIATION OF INCREASES AND DECREASES
EXHIBIT OP-5

	\$ In Thousands
1. FY 2017 President's Budget Request	40,344
2. FY 2017 Appropriated Amount	40,344
3. FY 2017 Current Estimate	40,344
4. Program Adjustments: Manpower Reductions due to the hiring freeze	-3,255
5. FY 2018 President's Budget Request	37,089

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
OPERATION ACCOUNT
SERVICES SUB-ACCOUNT

(\$ in Thousands)

FY 2018 Budget Request	\$8,930
FY 2017 Program Budget	\$7,993

The FY 2018 request is based on the level of support for refuse collection, street cleaning, snow removal, police and fire protection, entomology, pest control, and custodial services. Program adjustments in the Exhibit OP-5 are based on increased service requirements.

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 OPERATION ACCOUNT
SERVICES SUB-ACCOUNT
 RECONCILIATION OF INCREASES AND DECREASES
 EXHIBIT OP-5

\$ In Thousands

1.	FY 2017 President's Budget Request	7,993
2.	FY 2017 Appropriated Amount	7,993
3.	FY 2017 Current Estimate	7,993
4.	Program Adjustments: Increased service requirements due to increased inventory in Korea	937
5.	FY 2018 President's Budget Request	8,930

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 OPERATION ACCOUNT
 FURNISHINGS SUB-ACCOUNT

(\$ in Thousands)

FY 2018 Budget Request	\$12,816
FY 2017 Program Budget	\$10,178

The Furnishings sub-account is used for procuring, controlling, managing, moving and handling, maintaining, and repairing household furnishings and equipment (e.g., refrigerators, ranges, and where authorized, washers and dryers). In overseas and foreign locations, added furniture items (e.g., beds, tables, and dressers) are authorized.

There is a programmatic adjustment due to increased requirements in furnishings and equipment worldwide.

EFFECT OF PRIVATIZATION

Furnishings for privatized GFOQs are supported as required.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
OPERATION ACCOUNT
FURNISHINGS SUB-ACCOUNT
RECONCILIATION OF INCREASES AND DECREASES
EXHIBIT OP-5

	\$ In Thousands
1. FY 2017 President's Budget Request	10,178
2. FY 2017 Appropriated Amount	10,178
3. FY 2017 Current Estimate	10,178
4. Program Adjustments: Increased Requirements Worldwide	2,638
5. FY 2018 President's Budget Request	12,816

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
OPERATION ACCOUNT
MISCELLANEOUS SUB-ACCOUNT

(\$ in Thousands)

FY 2018 Budget Request	\$400
FY 2017 Program Budget	\$400

The FY 2018 Miscellaneous sub-account funds payment to Department of Homeland Security for Coast Guard housing provided to Army Soldiers and their Families.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
OPERATION ACCOUNT
MISCELLANEOUS SUB-ACCOUNT
RECONCILIATION OF INCREASES AND DECREASES
EXHIBIT OP-5

	\$ In Thousands
1. FY 2017 President's Budget Request	400
2. FY 2017 Appropriated Amount	400
3. FY 2017 Current Estimate	400
4. Program Adjustments:	0
5. FY 2018 President's Budget Request	400

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
MAINTENANCE AND REPAIR ACCOUNT

(\$ in Thousands)	
FY 2018 Budget Request	\$57,708
FY 2017 Program Budget	\$60,745

Maintenance and Repair (M&R) requirements are computed using the DoD Facilities Sustainment Model (FSM) and planned major M&R projects. Factors are established based on costs per square foot for dwelling units at the installation level and then adjusted to budget year estimates by applying non-pay inflation, and currency fluctuation factors. The result is annual sustainment costs.

The Army maintains an inventory valued at approximately \$5.6 billion as measured by replacement costs. Ensuring these facilities are consistently occupied requires sound property management and timely recurring maintenance for preservation and protection of this major investment.

The Maintenance and Repair Account is adjusted primarily due to decreased major M&R project requirements worldwide.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
MAINTENANCE AND REPAIR
RECONCILIATION OF INCREASES AND DECREASES
EXHIBIT OP-5

	\$ In Thousands
1. FY 2017 President's Budget Request	60,745
2. FY 2017 Appropriated Amount	60,745
3. FY 2017 Current Estimate	60,745
4. Program Adjustments: Decreased M&R projects	-3,037
5. FY 2018 President's Budget Request	57,708

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
FY 2017 ESTIMATED MAINTENANCE AND REPAIR
EXCEEDING \$35,000 PER DWELLING UNIT

The project list in this section is provided for authorization in accordance with the reporting requirement stated in Title 10 USC Sections 2831 and 2884 and Public Law 114-223, MILCON/VA Appropriations Act, 2017. Information is provided regarding the anticipated costs for those GFOQ where maintenance and repair obligations in FY 2018 are expected to exceed \$35,000 per dwelling unit.

The Army's GFOQ maintenance and repair program includes government-owned and leased homes worldwide. The Army programs major maintenance and repair projects for government-owned homes that will be retained long-term. The Army continues to seek alternatives to replace large and expensive GFOQ. The Army's GFOQ program for FY 2018 includes 56 GFOQ where the total maintenance and repair cost per dwelling unit exceeds \$35,000, at a total maintenance and repair cost of \$7,270,534. This total does not include maintenance and repair costs for GFOQ which are under \$35,000 per unit. Maintenance and repair includes recurring work such as service calls, preventive maintenance and between occupancy maintenance, as well as major repairs.

The total maintenance and repair cost of \$7,870,023 includes 29 major and seven minor repair projects to 36 GFOQ at a total cost of \$5,594,474. The FY 2018 program supports the Army's ongoing goal to buy-out major repairs at legacy GFOQ worldwide. For FY 2018, the programmed major M&R projects are at Joint Base Myer-Henderson Hall, VA, US Army Garrison Benelux-Chievres, and US Army Garrison Stuttgart.

In historic quarters major work is coordinated with the appropriate State Historic Preservation Office. The Army has stewardship for historic dwelling units and a legal responsibility under the provisions of the National Historic Preservation Act, Public Law 89-665, as amended, to preserve and maintain these units. Many of the Army's remaining GFOQ were built prior to any Congressional size limitations and are generally larger and more expensive to maintain than more contemporary structures. Deferring required repairs will accelerate the rate of deterioration, increase the final cost of repairs and preclude compliance with Congressionally directed preservation responsibilities.

The Army's project review and approval process eliminates unnecessary maintenance and repair. The following requested repairs are necessary to ensure that the quarters are maintained in a safe, sanitary and livable condition.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE	INSTALLATION	NET SQUARE	HIS-	YEAR	MAINT &	NEW
	QTRS NO.	FOOTAGE	TORIC	BUILT	REPAIRS LEASE	WORK

DISTRICT OF COLUMBIA
Fort Lesley J. McNair

Quarters 1

201 Second Avenue	3,184	Yes	1903	\$49,782	-	-
Operations/Utilities - \$77,912; Total O&M - \$86,264 Maintenance and repairs including service calls - \$5,000; change of occupancy - \$12,000; self-help - \$200; routine maintenance and repairs - \$7,800; grounds maintenance - \$5,000; interior painting - \$19,782.						

Quarters 2

205 Second Avenue	3,184	Yes	1905	\$49,782	-	-
Operations/Utilities - \$73,212; Total O&M - \$81,564 Maintenance and repairs including service calls - \$5,000; change of occupancy - \$12,000; self-help - \$200; routine maintenance and repairs - \$7,800; grounds maintenance - \$5,000; interior painting - \$19,782.						

Quarters 4

213 Second Avenue	3,169	Yes	1903	\$49,782	-	-
Operations/Utilities - \$68,612; Total O&M - \$76,964 Maintenance and repairs including service calls - \$5,000; change of occupancy - \$12,000; self-help - \$200; routine maintenance and repairs - \$7,800; grounds maintenance - \$5,000; interior painting - \$19,782.						

Quarters 5

217 Second Avenue	2,876	Yes	1903	\$49,782	-	-
Operations/Utilities - \$67,312; Total O&M - \$75,664 Maintenance and repairs including service calls - \$5,000; change of occupancy - \$12,000; self-help - \$200; routine maintenance and repairs - \$7,800; grounds maintenance - \$5,000; interior painting - \$19,782.						

Quarters 7

225 Second Avenue	4,436	Yes	1903	\$61,740	-	-
Operations/Utilities - \$73,287; Total O&M - \$80,972 Maintenance and repairs including change of occupancy - \$15,000; service calls - \$6,000; self-help - \$200; routine maintenance and repairs - \$8,800; security - \$6,958; grounds maintenance - \$5,000; and interior painting - \$19,782.						

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS	LEASE	NEW WORK
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Quarters 8

229 Second Avenue Operations/Utilities - \$81,387; Total O&M - \$90,072 Maintenance and repairs including change of occupancy - \$15,000; service calls - \$6,000; self-help - \$200; routine maintenance and repairs - \$8,800; security - \$6,958; grounds maintenance - \$6,000; and interior painting - \$19,782.	4,057	Yes	1903	\$62,740	-	-
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Quarters 9

233 Second Avenue Operations/Utilities - \$91,287; Total O&M - \$99,972 Maintenance and repairs including change of occupancy - \$15,000; service calls - \$6,000; self-help - \$200; routine maintenance and repairs - \$8,800; security - \$6,958; grounds maintenance - \$6,000; and interior painting - \$19,782.	4,278	Yes	1903	\$62,740	-	-
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Quarters 10

237 Second Avenue Operations/Utilities - \$72,912; Total O&M - \$81,264 Maintenance and repairs including service calls - \$5,000; change of occupancy - \$12,000; self-help - \$200; routine maintenance and repairs - \$7,800; grounds maintenance - \$5,000; interior painting - \$19,782.	3,169	Yes	1903	\$49,782	-	-
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Quarters 11

241 Second Avenue Operations/Utilities - \$68,612; Total O&M - \$76,964 Maintenance and repairs including service calls - \$5,000; change of occupancy - \$12,000; self-help - \$200; routine maintenance and repairs - \$7,800; grounds maintenance - \$5,000; interior painting - \$19,782.	3,169	Yes	1903	\$49,782	-	-
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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE	INSTALLATION	NET SQUARE	HIS-	YEAR	MAINT &	NEW
QTRS NO.	FOOTAGE	TORIC	BUILT	REPAIRS LEASE	WORK	

FLORIDA**Miami****Quarters 1**

3501 Granada Boulevard	3,611	Yes	1947	\$37,086	\$106,200	-
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Operations/Utilities - \$43,292; Total O&M - \$186,578
Maintenance and repairs including service calls - \$3,167; routine maintenance and repairs - \$1,300; self-help - \$500; grounds maintenance - \$14,420; change of occupancy - \$2,639; incidental improvement - \$3,000; interior painting - \$9,000; and security - \$3,060.

ILLINOIS**Rock Island Arsenal****Quarters 4**

3294 Terrace Drive	4,455	Yes	1905	\$45,550	-	-
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Operations/Utilities - \$10,905; Total O&M - \$50,750
Maintenance and repairs including service calls - \$6,000; routine maintenance and repairs - \$3,850; grounds maintenance - \$2,700; and a minor project to replace limestone steps and a concrete pad - \$33,000.

VIRGINIA**Joint Base Myer-Henderson Hall****Quarters 5**

114 Grant Ave	3,405	Yes	1903	\$47,000	-	-
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Operations/Utilities - \$65,317; Total O&M - \$67,882
Maintenance and repairs including service calls - \$5,000; routine maintenance and repairs - \$7,800; self-help - \$200; grounds maintenance - \$5,000; and maintenance minor project to renovate the kitchen - \$29,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS LEASE	NEW WORK
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Quarters 7

1060 Grant Ave	4,707	Yes	1909	\$63,458	-	-
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Operations/Utilities - \$112,832; Total O&M - \$123,540
Maintenance and repairs including service calls - \$6,000; routine maintenance and repairs - \$7,800; interior painting - \$21,500; grounds maintenance - \$6,000; security - \$6,958; self-help - \$200; and change of occupancy - \$15,000.

Quarters 12B

317-B Jackson Ave	2,774	Yes	1892	\$39,779	-	-
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Operations/Utilities - \$60,412; Total O&M - \$68,461.
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$8,600; interior paint - \$11,979; grounds maintenance - \$5,000; self-help - \$200; and change of occupancy maintenance - \$10,000.

Quarters 13A

313-A Jackson Ave	1,980	Yes	1903	\$39,779	-	-
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Operations/Utilities - \$41,307; Total O&M - \$59,361
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$8,600; interior paint - \$11,979; grounds maintenance - \$5,000; self-help - \$200; and change of occupancy maintenance - \$10,000.

Quarters 15A

305-A Jackson Ave	2535	Yes	1908	\$39,379	-	-
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Operations/Utilities - \$60,112; Total O&M - \$67,761
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$8,200; interior paint - \$11,979; grounds maintenance - \$5,000; self-help - \$200; and change of occupancy maintenance - \$10,000.

Quarters 16A

301-A Jackson Ave	2,463	Yes	1908	\$39,379	-	-
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Operations/Utilities - \$59,612; Total O&M - \$67,261
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$8,200; interior paint - \$11,979; grounds maintenance - \$5,000; self-help - \$200; and change of occupancy maintenance - \$10,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS LEASE	NEW WORK
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Quarters 19A

213-A Lee Ave	2,108	Yes	1932	\$40,094	-	-
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Operations/Utilities - \$50,107; Total O&M - \$68,476
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$9800; grounds maintenance - \$5,000; self-help -\$200; interior painting - \$11,094; and change of occupancy - \$10,000.

Quarters 20A

209-A Lee Ave	1,696	Yes	1932	\$83,573	-	-
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Operations/Utilities - \$50,407; Total O&M - \$113,255
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$9800; security - \$3,479; grounds maintenance - \$5,000; self-help -\$200; interior painting - \$11,094; change of occupancy - \$10,000; and a project to replace water lines - \$40,000.

Quarters 22B

201-B Lee Ave	2,780	Yes	1932	\$35,025	-	-
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Operations/Utilities - \$51,407; Total O&M - \$64,707
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$7,800; grounds maintenance - \$5,000; interior painting - \$8,025; and change of occupancy - \$10,000; and self-help - \$200.

Quarters 27A

212-A Lee Ave	3,715	Yes	1903	\$131,879	-	-
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Operations/Utilities - \$70,117; Total O&M - \$157,561
Maintenance and repairs including service calls - \$5,000; routine maintenance and repairs - \$7,700; grounds maintenance - \$5,000; self-help -\$200; interior painting - \$11,979; change of occupancy - \$12,000; and a project to renovate the kitchen - \$90,000.

Quarters 27B

212-B Lee Ave	2,718	Yes	1903	\$41,879	-	-
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Operations/Utilities - \$72,561; Total O&M - \$75,117
Maintenance and repairs including service calls - \$5,000; routine maintenance and repairs - \$7,700; grounds maintenance - \$5,000; self-help -\$200; interior painting - \$11,979; and change of occupancy - \$12,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE

INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS LEASE	NEW WORK
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BELGIUM**1 Chateau Gendebien**

Quarters 1	10,010	No	1892	\$296,085	-	-
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Operations/Utilities - \$195,511; Total O&M - \$431,670
Maintenance and repairs including service calls - \$25,239; routine maintenance and repairs - \$73,013; interior paint - \$18,644; grounds maintenance - \$6,200; self-help - \$5,610; security - \$48,905; and projects to replace a generator and walk in refrigerator and to install additional security sensing and control equipment – \$118,474.

Sint-Pauluslaan 68-3080 Vossem

Quarters 3	3,014	No	2008	\$37,601	\$77,188	-
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Operations/Utilities - \$29,783; Total O&M - \$48,649
Maintenance and repairs including service calls - \$4,140; routine maintenance and repairs - \$11,041; interior painting - \$12,536; grounds maintenance - \$4,959; self-help - \$448; and security - \$4,477.

9D Grand Chemin de Masnuy

Quarters 31	4,306	No	2002	\$39,514	\$53,864	-
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Operations/Utilities - \$43,060; Total O&M - \$134,267
Maintenance and repairs including service calls - \$5,717; routine maintenance and repairs - \$10,300; interior painting - \$16,572; grounds maintenance - \$1,853; self-help - \$801; and security - \$4,271.

49 Avenue du Jeu de Paume

Quarters 12	3,766	No	1956	\$43,809	\$126,739	-
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Operations/Utilities - \$31,435; Total O&M - \$65,043
Maintenance and repairs including service calls - \$5,508; routine maintenance and repairs - \$16,393; interior painting - \$16,531; self-help - \$900; and security - \$4,477.

Avenie Jean Van Boendalelaan

Quarters 19	4,306	No	2002	\$63,184	\$80,314	-
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Operations/Utilities - \$44,299; Total O&M - \$91,365
Maintenance and repairs including service calls - \$6,276; routine maintenance and repairs - \$19,875; interior painting - \$15,158; incidental improvements - \$3,000; grounds maintenance - \$13,500; self-help - \$898; and security - \$4,477.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS LEASE	NEW WORK
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GERMANY**Bavaria - Grafenwoehr****110 Grafenwoehr**

Quarters P0110	4,098	No	1909	\$52,170	-	-
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Operations/Utilities - \$16,074; Total O&M - \$60,528
Maintenance and repairs including service calls - \$4,987; routine maintenance and repairs - \$6,356; design - \$1,683; grounds maintenance - \$2,432; paint interior - \$7,044; paint exterior - \$1,869; self-help - \$299; and a minor project to renovate the master bath - \$27,500.

Stuttgart**2420-10 Florida Strasse**

Quarters 2420	1,636	No	1957	\$207,200	-	-
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Operations/Utilities - \$14,253; Total O&M - \$214,775
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$3,000; self-help - \$200; and a project to replace sewer lines and repair street - \$200,000.

2424-14 Florida Strasse

Quarters 2424	1,636	No	1957	\$212,925	-	-
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Operations/Utilities - \$19,786; Total O&M - \$226,450
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$6,450; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.

2426-16 Florida Strasse

Quarters 2426	1,636	No	1957	\$211,825	-	-
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Operations/Utilities - \$21,962; Total O&M - \$225,350
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$4,250; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; change of occupancy - \$1,100; and a project to replace sewer lines and repair street - \$200,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE

INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS LEASE	NEW WORK
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2430-20 Florida Strasse

Quarters 2430	1,636	No	1957	\$209,600	-	-
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Operations/Utilities - \$13,994; Total O&M - \$217,175
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$5,200; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.

2431-23 Florida Strasse

Quarters 2431	1,636	No	1957	\$207,200	-	-
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Operations/Utilities - \$14,233; Total O&M - \$214,775
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$3,000; self-help - \$200; and a project to replace sewer lines and repair street - \$200,000.

2432-22 Florida Strasse

Quarters 2432	1,636	No	1957	\$210,725	-	-
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Operations/Utilities - \$21,541; Total O&M - \$224,250
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$4,250; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.

2433-25 Florida Strasse

Quarters 2433	1,636	No	1957	\$207,400	-	-
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Operations/Utilities - \$14,868; Total O&M - \$214,975
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$3,000; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.

2434-24 Florida Strasse

Quarters 2434	1,636	No	1957	\$207,200	-	-
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Operations/Utilities - \$21,962; Total O&M - \$225,350
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$3,000; self-help - \$200; and a project to replace sewer lines and repair street - \$200,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE

INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS LEASE	NEW WORK
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2435-27 Florida Strasse

Quarters 2435	1,636	No	1957	\$210,725	-	-
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Operations/Utilities - \$20,359; Total O&M - \$224,250
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$4,250; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.

2436-26 Florida Strasse

Quarters 2436	1,636	No	1957	\$210,725	-	-
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Operations/Utilities - \$19,300; Total O&M - \$223,250
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$4,250; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.

2437-29 Florida Strasse

Quarters 2437	1,636	No	1957	\$207,200	-	-
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Operations/Utilities - \$13,618; Total O&M - \$214,775
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$3,000; self-help - \$200; and a project to replace sewer lines and repair street - \$200,000.

2438-28 Florida Strasse

Quarters 2438	1,636	No	1957	\$207,200	-	-
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Operations/Utilities - \$13,618; Total O&M - \$214,775
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$3,000; self-help - \$200; and a project to replace sewer lines and repair street - \$200,000.

2439-31 Florida Strasse

Quarters 2439	1,636	No	1957	\$207,200	-	-
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Operations/Utilities - \$14,302; Total O&M - \$221,502
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$3,000; self-help - \$200; and a project to replace sewer lines and repair street - \$200,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS LEASE	NEW WORK
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2440-30 Florida Strasse

Quarters 2440	1,636	No	1957	\$207,200	-	-
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Operations/Utilities - \$13,392; Total O&M - \$214,775
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$3,000; self-help - \$200; and a project to replace sewer lines and repair street - \$200,000.

2441-33 Florida Strasse

Quarters 2441	1,636	No	1957	\$210,725	-	-
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Operations/Utilities - \$21,464; Total O&M - \$224,250
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$4,250; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.

2442-32 Florida Strasse

Quarters 2442	1,636	No	1957	\$210,725	-	-
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Operations/Utilities - \$20,146; Total O&M - \$224,250
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$4,250; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.

2443-35 Florida Strasse

Quarters 2443	1,636	No	1957	\$207,200	-	-
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Operations/Utilities - \$14,759; Total O&M - \$214,775
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$3,000; self-help - \$200; and a project to replace sewer lines and repair street - \$200,000.

2444-34 Florida Strasse

Quarters 2444	1,636	No	1957	\$210,725	-	-
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Operations/Utilities - \$17,466; Total O&M - \$223,250
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$4,250; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE

INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS LEASE	NEW WORK
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2445-37 Florida Strasse

Quarters 2445	2,153	No	1957	\$210,725	-	-
Operations/Utilities - \$17,381; Total O&M - \$223,250						
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$4,250; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.						

2446-36 Florida Strasse

Quarters 2446	1,636	No	1957	\$210,725	-	-
Operations/Utilities - \$18,826; Total O&M - \$224,250						
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$4,250; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.						

2447-39 Florida Strasse

Quarters 2447	2,153	No	1957	\$207,200	-	-
Operations/Utilities - \$15,663; Total O&M - \$214,775						
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$3,000; self-help - \$200; and a project to replace sewer lines and repair street - \$200,000.						

2448-38 Florida Strasse

Quarters 2448	1,636	No	1957	\$207,200	-	-
Operations/Utilities - \$13,309; Total O&M - \$214,775						
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$3,000; self-help - \$200; and a project to replace sewer lines and repair street - \$200,000.						

2449-50 Florida Strasse

Quarters 2449	2,885	No	1957	\$213,325	-	-
Operations/Utilities - \$20,538; Total O&M - \$226,100						
Maintenance and repairs including service calls - \$5,000; routine maintenance and repairs - \$5,250; paint interior - \$1,800; grounds maintenance - \$475; self-help - \$400; security - \$400; and a project to replace sewer lines and repair street - \$200,000.						

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE

INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS LEASE	NEW WORK
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2450-40 Florida Strasse

Quarters 2450	2,153	No	1957	\$210,725	-	-
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Operations/Utilities - \$19,876; Total O&M - \$223,450
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$4,250; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.

2451-44 Florida Strasse

Quarters 2451	2,153	No	1957	\$210,725	-	-
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Operations/Utilities - \$20,383; Total O&M - \$223,500
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$4,250; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.

2452-42 Florida Strasse

Quarters 2452	2,153	No	1957	\$210,725	-	-
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Operations/Utilities - \$20,626; Total O&M - \$223,500
Maintenance and repairs including service calls - \$4,000; routine maintenance and repairs - \$4,250; paint interior - \$1,600; grounds maintenance - \$475; self-help - \$200; security - \$200; and a project to replace sewer lines and repair street - \$200,000.

ITALY**Vicenza****Villa Michaelis**

Quarters P00150	2,257	No	1986	\$67,779	-	-
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Operations/Utilities - \$19,626; Total O&M - \$78,549
Maintenance and repairs including service calls - \$5,250; routine maintenance and repairs - \$9,622; change of occupancy - \$3,220; interior paint - \$3,900; exterior paint - \$13,087; self-help - \$1,700; grounds maintenance - \$3,500; and a minor project to renovate the main bathroom - \$27,500.

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
 EXCEEDING \$35,000 PER DWELLING UNIT

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS LEASE	NEW WORK
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Villa Ferrarin

Quarters P00160	2,157	No	1986	\$55,570	-	-
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Operations/Utilities - \$39,276; Total O&M - \$85,990

Maintenance and repairs including service calls - \$5,270; routine maintenance and repairs - \$9,000; change of occupancy - \$3,200; interior paint - \$3,900; self-help - \$1,700; grounds maintenance – \$3,500; and a minor project to renovate the main bathroom - \$29,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS
Units Projected to Exceed \$35K per Unit in Operation and Maintenance (O&M)

State/ Country	Installation Name	Street Address	Year Built	NSF	Operations	Maj Proj	M&R	Total M&R	Utilities	Lease	O&M	Total Cost (Inc Lease & Utils)
Belgium	USAG Benelux - Brussels	Sint-Pauluslaan 68-3080 Vossem (PQ003)	2008	3,014	11,048	0	37,601	37,601	18,735	77,188	48,649	144,572
Belgium	USAG Benelux - Brussels	Meiklokeslaan, 11 3080 Tervuren (PQ009)	2000	4,219	29,223	0	34,302	34,302	16,136	70,258	63,525	149,919
Belgium	USAG Benelux - Brussels	49 Avenue du Jeu de Paume (PQ012)	1956	3,766	21,234	0	43,809	43,809	10,201	126,739	65,043	201,983
Belgium	USAG Benelux - Brussels	Avenie Jean Van Boendalelaan (PQ019)	1992	4,090	28,181	0	63,184	63,184	16,118	80,314	91,365	187,797
Belgium	USAG Benelux - Chievres	1 Chateau Gendebien (PQ001)	1892	10,010	135,585	118,474	177,611	296,085	59,926	0	431,670	491,596
Belgium	USAG Benelux - Chievres	9D Grand Chemin de Masnuy (PQ033)	2002	4,306	16,143	0	39,514	39,514	13,440	53,864	55,657	122,961
District of Columbia	Fort Lesley J. McNair	201 Second Avenue (1)	1903	3,184	36,482	0	49,782	49,782	41,430	0	86,264	127,694
District of Columbia	Fort Lesley J. McNair	205 Second Avenue (2)	1905	3,184	31,782	0	49,782	49,782	41,430	0	81,564	122,994
District of Columbia	Fort Lesley J. McNair	209 Second Avenue (3)	1903	3,184	28,482	0	21,377	21,377	41,430	0	49,859	91,289
District of Columbia	Fort Lesley J. McNair	213 Second Avenue (4)	1903	3,169	27,182	0	49,782	49,782	41,430	0	76,964	118,394
District of Columbia	Fort Lesley J. McNair	217 Second Avenue (5)	1903	2,876	25,882	0	49,782	49,782	41,430	0	75,664	117,094
District of Columbia	Fort Lesley J. McNair	221 Second Avenue (6)	1903	2,834	31,032	0	18,000	18,000	41,430	0	49,032	90,462
District of Columbia	Fort Lesley J. McNair	225 Second Avenue (7)	1903	4,436	19,232	0	61,740	61,740	54,055	0	80,972	135,027
District of Columbia	Fort Lesley J. McNair	229 Second Avenue (8)	1903	4,057	27,332	0	62,740	62,740	54,055	0	90,072	144,127
District of Columbia	Fort Lesley J. McNair	233 Second Avenue (9)	1903	4,278	37,232	0	62,740	62,740	54,055	0	99,972	154,027
District of Columbia	Fort Lesley J. McNair	237 Second Avenue (10)	1903	3,169	31,482	0	49,782	49,782	41,430	0	81,264	122,694
District of Columbia	Fort Lesley J. McNair	241 Second Avenue (11)	1903	3,169	27,182	0	49,782	49,782	41,430	0	76,964	118,394
District of Columbia	Fort Lesley J. McNair	245 Second Avenue (12)	1903	3,169	31,032	0	18,000	18,000	41,430	0	49,032	90,462
District of Columbia	Fort Lesley J. McNair	249 Second Avenue (13)	1903	3,169	19,532	0	18,000	18,000	41,430	0	37,532	78,962
District of Columbia	Fort Lesley J. McNair	253 Second Avenue (14)	1903	3,169	36,032	0	18,000	18,000	41,430	0	54,032	95,462
District of Columbia	Fort Lesley J. McNair	257 Second Avenue (15)	1903	3,169	28,032	0	19,000	19,000	41,430	0	47,032	88,462
Florida	USAG Miami	3501 Granada Blvd. (3501)	1947	3,611	23,694	0	37,086	37,086	10,010	106,200	60,780	172,319
Germany	USAG Bavaria - Grafenwoehr	110 Grafenwoehr (P0110)	1892	4,098	8,358	27,500	24,670	52,170	7,716	0	60,528	68,244
Germany	USAG Stuttgart	2420-10 Florida Strasse (2420)	1957	1,636	7,575	200,000	7,200	207,200	6,678	0	214,775	221,453
Germany	USAG Stuttgart	2424-14 Florida Strasse (2424)	1957	1,636	13,525	200,000	12,925	212,925	6,261	0	226,450	232,711
Germany	USAG Stuttgart	2426-16 Florida Strasse (2426)	1957	1,636	13,525	200,000	11,825	211,825	8,437	0	225,350	233,787
Germany	USAG Stuttgart	2430-20 Florida Strasse (2430)	1957	1,636	7,575	200,000	9,600	209,600	6,419	0	217,175	223,594
Germany	USAG Stuttgart	2431-23 Florida Strasse	1957	1,636	7,575	200,000	7,200	207,200	6,648	0	214,775	221,423
Germany	USAG Stuttgart	2432-22 Florida Strasse (2432)	1957	1,636	13,525	200,000	10,725	210,725	8,016	0	224,250	232,266
Germany	USAG Stuttgart	2433-25 Florida Strasse (2433)	1957	1,636	7,575	200,000	7,400	207,400	7,293	0	214,975	222,268
Germany	USAG Stuttgart	2434-24 Florida Strasse (2434)	1957	1,636	7,575	200,000	7,200	207,200	6,303	0	214,775	221,078
Germany	USAG Stuttgart	2435-27 Florida Strasse (2435)	1957	1,636	13,525	200,000	10,725	210,725	6,834	0	224,250	231,084
Germany	USAG Stuttgart	2436-26 Florida Strasse (2436)	1957	1,636	12,525	200,000	10,725	210,725	6,775	0	223,250	230,025
Germany	USAG Stuttgart	2437-29 Florida Strasse (2437)	1957	1,636	7,575	200,000	7,200	207,200	6,043	0	214,775	220,818
Germany	USAG Stuttgart	2438-28 Florida Strasse (2438)	1956	1,636	7,575	200,000	7,200	207,200	6,043	0	214,775	220,818
Germany	USAG Stuttgart	2439-31 Florida Strasse (2439)	1957	1,636	7,575	200,000	7,200	207,200	6,727	0	214,775	221,502
Germany	USAG Stuttgart	2440-30 Florida Strasse (2440)	1957	1,636	7,575	200,000	7,200	207,200	5,817	0	214,775	220,592
Germany	USAG Stuttgart	2441-33 Florida Strasse (2441)	1957	1,636	13,525	200,000	10,725	210,725	7,939	0	224,250	232,189
Germany	USAG Stuttgart	2442-32 Florida Strasse (2442)	1957	1,636	13,525	200,000	10,725	210,725	6,621	0	224,250	230,871
Germany	USAG Stuttgart	2443-35 Florida Strasse (2443)	1957	1,636	7,575	200,000	7,200	207,200	7,184	0	214,775	221,959
Germany	USAG Stuttgart	2444-34 Florida Strasse (2444)	1957	1,636	12,525	200,000	10,725	210,725	4,921	0	223,250	228,171
Germany	USAG Stuttgart	2445-37 Florida Strasse (2445)	1957	2,153	12,525	200,000	10,725	210,725	4,856	0	223,250	228,106
Germany	USAG Stuttgart	2446-36 Florida Strasse (2446)	1957	1,636	13,525	200,000	10,725	210,725	5,301	0	224,250	229,551
Germany	USAG Stuttgart	2447-39 Florida Strasse (2447)	1957	2,153	7,575	200,000	7,200	207,200	8,088	0	214,775	222,863
Germany	USAG Stuttgart	2448-38 Florida Strasse (2448)	1957	1,636	7,575	200,000	7,200	207,200	5,734	0	214,775	220,509
Germany	USAG Stuttgart	2449-50 Florida Strasse (2449)	1957	2,885	12,775	200,000	13,325	213,325	7,763	0	226,100	233,863

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 GENERAL/FLAG OFFICERS QUARTERS
 Units Projected to Exceed \$35K per Unit in Operation and Maintenance (O&M) (Continued)

State/ Country	Installation Name	Street Address	Year Built	NSF	Operations	Maj Proj	M&R	Total M&R	Utilities	Lease	O&M	Total Cost (Inc Lease & Utils)
Germany	USAG Stuttgart	2450-40 Florida Strasse (2450)	1957	2,153	12,725	200,000	10,725	210,725	7,151	0	223,450	230,601
Germany	USAG Stuttgart	2451-44 Florida Strasse (2451)	1957	2,153	12,775	200,000	10,725	210,725	7,608	0	223,500	231,108
Germany	USAG Stuttgart	2452-42 Florida Strasse (2452)	1957	2,153	12,775	200,000	10,725	210,725	7,851	0	223,500	231,351
Germany	USAG Yongsan	4401 South Post (SP004)	1952	4,177	8,718	0	26,483	26,483	11,457	0	35,201	46,658
Germany	USAG Yongsan	7079 South Post (7079)	1958	2,791	9,602	0	25,814	25,814	5,362	0	35,416	40,778
Illinois	Rock Island Arsenal	3294 Terrace Drive (004)	1872	4,455	5,200	33,000	12,550	45,550	5,705	0	50,750	56,455
Italy	USAG Italy (USAG Vicenza)	Villa Michaelis (P00150)	1986	2,257	10,770	27,500	40,279	67,779	8,856	0	78,549	87,405
Italy	USAG Italy (USAG Vicenza)	GFOQ Villa Ferrarin (P00160)	1986	2,157	30,420	29,000	26,570	55,570	8,856	0	85,990	94,846
Korea	USAG Humphreys	22001 Imagination Loop		0	37,350	0	0	0	4,262	0	37,350	41,612
Virginia	Joint Base Myer - Henderson	206 Washington Avenue (1)	1899	8,460	45,432	0	30,658	30,658	84,745	0	76,090	160,835
Virginia	Joint Base Myer - Henderson	321-A Jackson Avenue (11A)	1892	2,742	18,282	0	17,800	17,800	31,730	0	36,082	67,812
Virginia	Joint Base Myer - Henderson	321-B Jackson Avenue (11B)	1891	2,951	27,382	0	17,800	17,800	31,730	0	45,182	76,912
Virginia	Joint Base Myer - Henderson	317-A Jackson Avenue (12A)	1892	2,701	26,182	0	17,800	17,800	31,730	0	43,982	75,712
Virginia	Joint Base Myer - Henderson	317-B Jackson Avenue (12B)	1892	2,774	28,682	0	39,779	39,779	31,730	0	68,461	100,191
Virginia	Joint Base Myer - Henderson	313-A Jackson Avenue (13A)	1903	1,980	19,582	0	39,779	39,779	21,725	0	59,361	81,086
Virginia	Joint Base Myer - Henderson	313-B Jackson Avenue (13B)	1903	1,973	18,282	0	17,800	17,800	21,725	0	36,082	57,807
Virginia	Joint Base Myer - Henderson	309-A Jackson Avenue (14A)	1903	1,998	26,532	0	17,400	17,400	21,725	0	43,932	65,657
Virginia	Joint Base Myer - Henderson	309-B Jackson Avenue (14B)	1903	1,927	18,282	0	17,400	17,400	21,725	0	35,682	57,407
Virginia	Joint Base Myer - Henderson	305-A Jackson Avnue (15A)	1908	2,535	28,382	0	39,379	39,379	31,730	0	67,761	99,491
Virginia	Joint Base Myer - Henderson	301-A Jackson Avenue (16A)	1908	2,463	27,882	0	39,379	39,379	31,730	0	67,261	98,991
Virginia	Joint Base Myer - Henderson	301-B Jackson Avenue (16B)	1908	2,463	17,982	0	17,400	17,400	31,730	0	35,382	67,112
Virginia	Joint Base Myer - Henderson	213-A Lee Avenue (19A)	1932	2,108	28,382	0	40,094	40,094	21,725	0	68,476	90,201
Virginia	Joint Base Myer - Henderson	202 Washington Avenue (2)	1899	3,618	29,582	0	20,400	20,400	44,435	0	49,982	94,417
Virginia	Joint Base Myer - Henderson	209-A Lee Avenue (20A)	1932	1,696	29,682	40,000	43,573	83,573	21,725	0	113,255	134,980
Virginia	Joint Base Myer - Henderson	205-B Lee Avenue (21B)	1932	3,241	18,182	0	27,000	27,000	21,725	0	45,182	66,907
Virginia	Joint Base Myer - Henderson	201-B Lee Avenue (22B)	1932	2,780	29,682	0	35,025	35,025	21,725	0	64,707	86,432
Virginia	Joint Base Myer - Henderson	228-A Lee Avenue (23A)	1896	2,778	23,482	0	17,400	17,400	31,730	0	40,882	72,612
Virginia	Joint Base Myer - Henderson	228-B Lee Avenue (23BL)	1896	726	24,282	0	16,200	16,200	14,980	0	40,482	55,462
Virginia	Joint Base Myer - Henderson	224-A Lee Avenue (24AL)	1896	726	24,922	0	16,200	16,200	14,980	0	41,122	56,102
Virginia	Joint Base Myer - Henderson	224-B Lee Avenue (24B)	1896	2,682	28,532	0	16,400	16,400	31,730	0	44,932	76,662
Virginia	Joint Base Myer - Henderson	220-A Lee Avenue (25AL)	1896	726	24,532	0	16,222	16,222	14,980	0	40,754	55,734
Virginia	Joint Base Myer - Henderson	220-C Lee Avenue (25B)	1896	2,594	29,732	0	16,400	16,400	31,730	0	46,132	77,862
Virginia	Joint Base Myer - Henderson	216-A Lee Avenue (26A)	1896	2,999	31,332	0	16,400	16,400	31,730	0	47,732	79,462
Virginia	Joint Base Myer - Henderson	212-A Lee Avenue (27A)	1903	3,715	25,682	90,000	41,879	131,879	44,435	0	157,561	201,996
Virginia	Joint Base Myer - Henderson	212-B Lee Avenue (27B)	1903	2,718	30,682	0	41,879	41,879	44,435	0	72,561	116,996
Virginia	Joint Base Myer - Henderson	208 Lee Avenue (28)	1935	1,623	24,132	0	16,800	16,800	21,725	0	40,932	62,657
Virginia	Joint Base Myer - Henderson	114 Grant Avenue (5)	1903	3,405	20,882	29,000	18,000	47,000	44,435	0	67,882	112,317
Virginia	Joint Base Myer - Henderson	110 Grant Avenue (6)	1908	7,365	26,332	0	33,117	33,117	83,845	0	59,449	143,294
Virginia	Joint Base Myer - Henderson	106 Grant Avenue (7)	1909	4,707	60,082	0	63,458	63,458	52,750	0	123,540	176,290
Virginia	Joint Base Myer - Henderson	102 Grant Avenue (8)	1903	4,255	39,732	0	33,916	33,916	52,750	0	73,648	126,398
		Grand Total			1,940,388	5,594,474	2,275,549	7,870,023	2,072,741	514,563	9,810,411	12,393,044

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 GENERAL/FLAG OFFICERS QUARTERS
 Over 6,000 NSF

State/ Country	Installation	Quarters ID	Year Built	Size NSF	Total FH O&M Cost	Alternative Use	Cost to Convert Unit	If O&M>\$35K Demolish & Rebuild Cost
Belgium	USAG Benelux - Chievres	PQ001	1892	10,010	\$431.7	GFOQ is owned by the host nation	N/A	N/A
Virginia	Joint Base Myer - Henderson	1	1899	8,460	\$76.1	The Fort Myer National Historic Landmark District is comprised of 64 buildings which includes Quarters 1	N/A	N/A
Virginia	Joint Base Myer - Henderson	6	1908	7,365	\$59.4	The Fort Myer National Historic Landmark District is comprised of 64 buildings which includes Quarters 6	N/A	N/A
Total	3 GFOQ Units							

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 UTILITIES ACCOUNT

(\$ in Thousands)	
FY 2018 Budget Request	\$60,251
FY 2017 Program Budget	\$55,428

This program provides for utility services for Army Family Housing that include electricity, natural gas, propane, steam/hot water, fuel oil, coal, water and sewage.

Utility requirements are estimated based on historic, per unit expenditures that have been adjusted for inflation factors.

The annual energy consumption reduction goal is reflected in the program. As in prior years, construction and major maintenance and repair projects will contribute to meeting energy reduction goals.

The account is adjusted primarily due to increased utilities requirements.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

UTILITIES

RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

1.	FY 2017 President's Budget Request	55,428
2.	FY 2017 Appropriated Amount	55,428
3.	FY 2017 Current Estimate	55,428
4.	Program Adjustments: Increased Utilities Requirements due to increased inventory in Korea	4,823
5.	FY 2018 President's Budget Request	60,251

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 UTILITIES
 Exhibit FH-10

Army FY 2017 Family Housing summary of Unit Detail	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>
Total Cost of Utilities (\$000)	60,600	55,428	60,251
Utility Quantities:			
Electricity (Kwh)	140,197,472	139,044,743	139,901,122
Heating:			
Gas (BBL)	2,252,843	2,234,319	2,248,948
Fuel Oil (BBLs)	26,782	26,561	26,669
Purchased Steam (MBTU)	1,052,121	1,043,470	1,047,890
Propane (BBLs)	3,624	3,594	3,603
Water (Kgal)	1,545,414	1,532,708	1,539,106
Sewage (Kgal)	1,297,063	1,286,398	1,291,821

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 LEASING ACCOUNT
 (\$ in Thousands)

FY 2018 Budget Request	\$148,538
FY 2017 Program Budget	\$131,761

PURPOSE AND SCOPE

The purpose of the leasing program is to provide adequate Family housing at both domestic and foreign locations when temporary housing is needed to satisfy housing shortfalls or affordable adequate housing is not readily available. In addition, it provides funding to reimburse Department of State (DoS) for use of embassy housing. The leasing program, authorized by 10 USC 2828, 10 USC 2834, and 10 USC 2835, provides for the payment of rent, operation and maintenance costs to private-sector landlords for the rental of homes. The program also includes funding for services, such as utilities, refuse collection and maintenance, when these services are not provided as part of the lease contract. Funding to the DoS includes unit rent and utilities, furnishings pool and generator pool buy-ins and mandatory DoS security upgrades. Once leased, these units are managed and assigned to military Families as government quarters.

The Army continues to rely on the private sector to meet the majority of housing needs. The Army leases Family housing where affordable adequate private-rental housing is not readily available or where the DoS Chief of Mission requires it.

The U.S. Army Installation Management Command, the U.S. Army Recruiting Command, the U.S. Army Cadet Command, the U.S. Military Entrance Processing Command, and eight DoD and Army Commands with DoS embassy leased housing project their requirements annually to the Headquarters, Department of the Army (HQDA) Housing Office. The HQDA Housing Office validates the requirement request against historic execution rates, known programmatic and stationing changes, and confirms costs with the DoS when applicable.

PROGRAM SUMMARY

Authorization and appropriation are requested for \$148,538,000 to fund leases and related expenses in FY 2018. A summary of the leasing program for the most recent three program years follows:

Lease Type	FY 2016 (Authorized)		FY 2017 (Estimate)		FY 2018 (Estimate)	
	Leases Supported	Cost \$000	Leases Supported	Cost \$000	Leases Supported	Cost \$000
Domestic	240	11,513	215	7,788	295	8,540
Foreign	4,137	130,367	4,030	123,973	4,267	139,999
Total	4,377	141,879	4,245	131,761	4,562	148,538

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
LEASING ACCOUNT (Continued)

JUSTIFICATION:

Domestic Leasing: The domestic leasing program provides adequate housing for Army Families on a temporary basis. Domestic leases support the Active Component and include key and essential Service members assigned to the U.S. Southern Command in Miami, Florida and independent duty leases for Soldiers assigned to the U.S. Army Recruiting Command, the U.S. Army Cadet Command, and the U.S. Military Entrance Processing Command. In FY 2016, the Army changed the policy governing the independent duty leasing program predominately to be consistent with the Air Force and Navy in the out-of-pocket threshold used to qualify members.

Foreign Leasing: The FY 2018 foreign leasing program consists of 4,272 leased units that are leased under 10 USC 2828 and 10 USC 2834. The number of housing units leased in Korea is expected to grow as the consolidation of forces continues during FY 2018. The Army also requests funds to reimburse payment for directly charged costs such as housing unit rent, utilities, security upgrades, furniture pool buy-ins, and generator pool buy-ins for housing leases required by the Department of State for Department of Defense (DoD) personnel in a given country.

PROGRAM ADJUSTMENTS

The program is adjusted for increased DoD foreign lease requirements and independent duty lease program changes.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

LEASING

RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

	\$ In Thousands
1. FY 2017 President's Budget Request	131,761
2. FY 2017 Appropriated Amount	131,761
3. FY 2017 Current Estimate	131,761
4. Program Adjustments:	16,777
a. Increased DoD foreign lease requirements	16,026
b. Independent duty lease program changes	751
5. FY 2018 President's Budget Request	148,538

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Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
LEASING ACCOUNT, FH-4 DISPLAY

	FY2016 (Authorized)			FY2017 (Estimate)			FY2018 (Estimate)		
	Units	Lease		Units	Lease		Units	Lease	
	<u>Supported Months (\$000)</u>			<u>Supported Months (\$000)</u>			<u>Supported Months (\$000)</u>		
<u>DOMESTIC LEASING</u>									
Independent Duty, Various Locations	141	1,692	6,668	123	1,476	4,581	222	2,664	6,487
Hattiesburg, MS	86	1,032	4,067	83	996	2,557	65	780	1,435
Rock Island, IL	4	48	190	1	12	48	0	0	0
El Paso, TX	3	36	142	0	0	0	0	0	0
Miami, FL	6	72	446	8	96	602	8	96	617
Total Domestic	240	2,880	11,513	215	2,580	7,788	295	3,540	8,540

	FY2016 (Authorized)			FY2017 (Estimate)			FY2018 (Estimate)		
	Units	Lease		Units	Lease		Units	Lease	
	<u>Supported Months (\$000)</u>			<u>Supported Months (\$000)</u>			<u>Supported Months (\$000)</u>		
<u>FOREIGN LEASING</u>									
<u>EUSA (Korea)</u>									
Korea	510	6,120	18,370	573	6,876	19,664	680	8,160	24,881
Total Korea	510	6,120	18,370	573	6,876	19,664	680	8,160	24,881
<u>USAREUR</u>									
Belgium	74	888	3,210	74	888	3,267	71	852	3,344
Germany	2,572	30,864	65,824	2,557	30,684	63,662	2,647	31,764	75,488
Italy	723	8,676	23,731	576	6,912	20,070	667	8,004	24,030
Netherlands	50	600	1,793	46	552	1,714	44	528	1,941
Total USAREUR	3,419	41,028	94,557	3,253	39,036	88,713	3,429	41,148	104,803

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
LEASING ACCOUNT, FH-4 DISPLAY (Continued)

FOREIGN LEASING	FY2016 (Authorized)			FY2017 (Estimate)			FY2018 (Estimate)		
	Units	Lease	Supported Months (\$000)	Units	Lease	Supported Months (\$000)	Units	Lease	Supported Months (\$000)
Department of State (DoS) Leasing -- Reimbursed Foreign									
Albania	1	12	32	1	12	34	1	12	39
Angola	3	36	600	3	36	604	1	12	183
Armenia	0	0	0	1	12	118	1	12	46
Azerbaijan	0	0	0	2	24	261	1	12	57
Bahrain	0	0	0	0	0	0	1	12	90
Bangladesh	0	0	0	0	0	0	1	12	107
Barbados	1	12	64	1	12	68	1	12	60
Belgium	2	24	225	0	0	0	1	12	63
Belize	2	24	94	2	24	96	2	24	98
Bosnia	1	12	38	1	12	39	1	12	40
Botswana	3	36	292	3	36	102	1	12	43
Brazil	4	48	236	4	48	242	6	72	371
Bulgaria	1	12	58	1	12	59	1	12	56
Burkina Faso	1	12	82	1	12	84	1	12	57
Cabo Verde	0	0	0	0	0	0	1	12	75
Cameroon	2	24	258	2	24	145	2	24	177
Chad	3	36	840	3	36	435	2	24	163
Chile	4	48	401	4	48	213	3	36	243
Colombia	2	24	112	1	12	63	0	0	0
Croatia	1	12	47	1	12	49	1	12	51
Democratic Republic of Congo	4	48	494	4	48	429	3	36	266
Denmark	1	12	15	0	0	0	1	12	72
Djibouti	2	24	166	2	24	167	2	24	122
Dominican Republic	4	48	267	4	48	272	4	48	224
Egypt	1	12	84	1	12	85	0	0	0
El Salvador	5	60	1,000	5	60	302	1	12	69
Estonia	1	12	84	1	12	87	2	24	112
Ethiopia	0	0	0	0	0	0	1	12	53
France	3	36	372	3	36	380	3	36	393
Gabon	3	36	327	3	36	335	3	36	238
Ghana	2	24	145	2	24	150	2	24	143
Greece	4	48	124	3	36	96	3	36	160
Guinea	1	12	56	1	12	58	1	12	63
Haiti	2	24	126	2	24	130	2	24	133
Hungary	2	24	113	2	24	117	2	24	115
India	0	0	0	0	0	0	1	12	66
Israel	3	36	452	1	12	99	3	36	250
Italy	3	36	196	0	0	0	0	0	0
Ivory Coast	0	0	0	0	0	0	1	12	63
Jordan	0	0	0	0	0	0	2	24	224
Kenya	8	96	1,276	8	96	687	9	108	424
Kosovo	0	0	0	0	0	0	1	12	37
Kuwait	3	36	96	1	12	38	1	12	137
Latvia	0	0	0	1	12	130	1	12	52
Liberia	1	12	93	1	12	95	2	24	121
Lithuania	0	0	0	1	12	148	2	24	88
Macedonia	0	0	0	1	12	155	1	12	42
Malawi	2	24	601	3	36	727	2	24	76
Mauritania	1	12	88	1	12	89	2	24	95
Mauritius	1	12	83	1	12	84	1	12	68
Mexico	2	24	68	1	12	35	1	12	63
Moldova	1	12	48	1	12	49	1	12	51
Montenegro	0	0	0	0	0	0	1	12	52
Morocco	4	48	371	4	48	177	3	36	214
Mozambique	1	12	266	1	12	89	2	24	193

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
LEASING ACCOUNT, FH-4 DISPLAY (Continued)

FOREIGN LEASING (Continued)	FY2016 (Authorized)			FY2017 (Estimate)			FY2018 (Estimate)		
	Units	Lease	(\$000)	Units	Lease	(\$000)	Units	Lease	(\$000)
	Supported	Months		Supported	Months		Supported	Months	
Department of State (DoS) Leasing -- Reimbursed Foreign									
Namibia	1	12	90	1	12	92	0	0	0
Nepal	0	0	0	0	0	0	1	12	50
Nicaragua	0	0	0	4	48	380	2	24	84
Niger	0	0	0	2	24	624	1	12	77
Nigeria	1	12	86	1	12	88	1	12	102
Norway	2	24	149	2	24	151	2	24	157
Oman	0	0	0	0	0	0	1	12	119
Paraguay	4	48	224	3	36	172	1	12	64
Peru	4	48	232	3	36	172	1	12	124
Poland	1	12	50	0	0	0	0	0	0
Qatar	25	300	1,917	25	300	1,963	11	132	845
Republic of Georgia	7	84	444	7	84	446	8	96	351
Romania	3	36	138	3	36	139	3	36	125
Rwanda	2	24	84	2	24	85	1	12	38
Senegal	3	36	137	3	36	138	3	36	110
Serbia And Montenegro	2	24	97	2	24	98	3	36	156
Sierra Leone	0	0	0	1	12	209	3	36	304
Slovakia	0	0	0	2	24	199	1	12	37
Slovenia	1	12	53	1	12	53	1	12	62
South Africa	2	24	92	2	24	93	1	12	45
Sri Lanka	0	0	0	0	0	0	1	12	50
Suriname	1	12	36	1	12	36	1	12	36
Tanzania	2	24	183	2	24	185	2	24	184
Tunisia	2	24	233	2	24	72	1	12	44
Turkey	4	48	282	1	12	57	3	36	174
Uganda	2	24	340	2	24	110	1	12	50
Ukraine	0	0	0	1	12	139	1	12	64
Uruguay	5	60	275	3	36	166	1	12	51
Uzbekistan	0	0	0	0	0	0	1	12	48
Vietnam	0	0	0	0	0	0	1	12	74
Total Foreign DoS Leasing	170	2,040	15,525	166	1,992	13,681	154	1,848	10,124
FOREIGN LEASING									
Other Foreign Leasing									
Kuwait	36	432	1,842	36	432	1,842	0	0	0
Poland	1	12	22	1	12	22	1	12	30
Romania	1	12	51	1	12	51	0	0	0
Russia	0	0	0	0	0	0	1	12	54
Ukraine	0	0	0	0	0	0	2	24	108
Total Other Foreign Leasing	38	456	1,915	38	456	1,915	4	48	191
Total Foreign Leasing	4,137	49,644	130,366	4,030	48,360	123,973	4,267	51,204	139,999
TOTAL LEASING PROGRAM	4,377	52,524	141,879	4,245	50,940	131,761	4,562	54,744	148,538

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2018 Budget Estimates
 Army Family Housing
 LEASING ACCOUNT
 FY 2018 SUMMARY SHEET FOR FOREIGN HIGH COST LEASES

<u>COUNTRY</u>	<u>TOTAL LEASES</u>	<u>HIGH COST LEASES</u>	<u>FY 1988 FOREIGN CURRENCY</u>	<u>FY 1988 EXCHANGE RATE</u>	<u>FY 2018 BUDGET RATE</u>	<u>FY 2018 EST. THRESHOLD</u>	<u>EST. UNIT COST</u>
Belgium	71	10	B Franc	42.77	0.9329 (Euro)	\$58,144	\$117,794
Netherlands	44	1	Guilder	2.33	0.9329 (Euro)	\$57,983	\$ 98,864

The threshold for classifying foreign leases as high cost leases is determined by first adjusting the \$20,000 authority for CPI changes. If the country uses the Euro, then the CPI-adjusted \$20,000 (\$25,000 in Italy) authority is multiplied by the result of the conversion-to-Euro adjusted rate divided by the FY budget rate. The conversion to Euro adjusted rate is the FY 1988 currency rate divided by the official, permanent Euro conversion rate – for Belgium, its 40.3399 and for the Netherlands, its 2.20371. For non-EU countries, the CPI-adjusted \$20,000 (\$25,000 and \$35,000 in Korea) authority is adjusted for exchange fluctuations since FY 1988. Leases exceeding a country’s threshold are counted against the Army’s high cost lease allocation.

Example: Belgium Franc

<u>\$20K CPI Est. FY 2017</u>		<u>FY 1988 Rate</u>		<u>Permanent Belgium Franc to Euro Conversion Rate</u>		<u>FY 2018 Euro Budget Rate</u>		<u>FY 2018 High Cost Threshold</u>
\$51,161	x	(42.77	÷	40.3399	÷	0.9329)	=	\$58,144

Note: Department of State Housing Pool participants are not subject to the maximum lease amounts cited for foreign leases in Section 2828(e)(1) of Title 10, United States Code. Clarification of participation in Department of State Housing Pools is discussed in Section 2834 of Title 10, United States Code.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
MILITARY HOUSING PRIVATIZATION INITIATIVE (MHPI)

(\$ in Thousands)

FY 2018 Budget Request	\$20,893
FY 2017 Program Budget	\$19,146

PURPOSE AND SCOPE

The Department of Army continues to employ the tools authorized by the Military Housing Privatization Initiative (MHPI) Act to execute an aggressive Family housing privatization program. The goal of this program is to improve the wellbeing of Army Families by providing quality, affordable Family housing in the United States (U.S.) at locations where adequate local housing is not available. The Army's Residential Communities Initiative (RCI) program consists of over 86,000 privatized end state units at 44 Army locations, representing over 98% of the on-post Family housing inventory in the U.S. The Initial Development Plan (IDP), which varies from 3 to 14 years, is the timeframe in which all inadequate homes in a project/installation will be renovated or replaced, and construction of additional units is completed. In FY 2018, all of the projects / installations will have completed their IDPs. The Army maintains oversight of the program through a rigorous Portfolio and Asset Management (PAM) process. The Army may consider future Family housing privatization where needed and feasible. The program is a key component of the Army's strategy to ensure long term sustainment of quality residential communities for Soldiers and their Families.

Program Summary

The FY 2018 funding request provides \$20,893,000 for RCI program portfolio and asset management, oversight and operation. Funding will support civilian pay, travel, and contracts for environmental and real estate assessments, training, and real estate and financial consultant services. Program adjustments in Exhibit OP-5 are based on completion of additional project IDPs, increased number of annual site visits/inspections, and increased programmatic reviews and reports from semi-annually to quarterly and monthly. The budget request is based on cost factors associated with staffing and workload projections. Workload is driven by the number of installations in the post-privatization PAM phase, the number of anticipated project major decision actions and oversight and accountability requirements. The applied cost factors for work elements of each phase are based on experience and established fees. The RCI program continues to execute additional oversight and accountability requirements directed by the National Defense Authorization Act (NDAA) 2013. This legislation requires assessments and reporting of specific financial requirements being completed under the Portfolio and Asset Management Program. In addition, the Army Audit Agency has detailed property management oversight requirements and compliance responsibilities.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
MILITARY HOUSING PRIVATIZATION INITIATIVE (MHPI) (Continued)

The table below summarizes FY 2018 RCI program costs (\$ in Thousands).

Program/Project Management and Oversight	\$13,155
Environmental/Real Estate/Training (U.S. Army Corps of Engineers Services)	\$ 1,938
Portfolio Management Advisory Support	\$ 5,800
Total	\$20,893

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

PRIVATIZATION

RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

	\$ In Thousands
1. FY 2017 President's Budget Request	19,146
2. FY 2017 Appropriated Amount	19,146
3. FY 2017 Current Estimate	19,146
4. Program Adjustments:	1,747
a. Increased number of annual site visits/inspections	580
b. Increased programmatic reviews and reports from semi-annually to quarterly and monthly	1,167
5. FY 2018 President's Budget Request	20,893

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Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
MILITARY HOUSING PRIVATIZATION INITIATIVE (MHPI)
FH-6 Exhibit

Privatization Date ¹	Project Name and/or Installation/State ²	Actual/Current ³						Author-ities ⁶
		Units ⁴ Conveyed	End State Units ⁴	Funding Source ⁵				
				Amount (\$M)	Budget Year(s)	Type	Project	
Nov-99	US,CO, Colorado Sprgs (Carson) (Loan Guarantee)	1,823	2,664	\$10.131	FY98	Construct	Carson	1,2,4
Oct-01	US,TX, FT Hood	5,622	5,912	\$52.000	FY96-99	Construct	hood	2,4
Apr-02	Ft Lewis	3,637	3,987	\$0.000	N/A	N/A	Lewis	4
May-02	Ft Meade	2,862	3,170	\$0.000	N/A	N/A	Meade	4
Aug-03	US,NC, FT Bragg	4,746	5,576	\$49.437	FY02	Improve	Bragg	2,4
Oct-03	Presidio of Monterey	2,268	2,209	\$0.000	N/A	N/A	POM	4
Nov-03	US,GA, Ft Stewart(3,027)/Hunter AAF(675)	2,926	3,629	\$37.374	FY02	Improve	Stewart	2,4
Dec-03	US,KY, Ft Campbell	4,235	4,257	\$7.900	FY98	Improve	Campbell	2,4
				\$52.205	FY02	Construct	Campbell	2,4
Dec-03	US, VA, Ft Belvoir	2,070	2,070	\$0.000	N/A	Improve	Belvoir	4
Mar-04	US, CA, Ft Irwin(2,376)/Moffett(316)/Parks(114)	2,290	2,806	\$0.000	N/A	Improve	Irwin	4
Jun-04	US, NY, Ft Hamilton	293	228	\$2.175	FY02	Improve	Hamilton	2,4
Jul-04	WRAMC(242)/Ft Detrick(355)	410	590	\$1.285	FY02	Improve	WRAMC	2,4
Sep-04	US, LA, Ft Polk	3,466	3,661	\$53.655	FY03	Improve	Polk	1,2,4
Sep-04	US,LA, FT Polk (Loan Guarantee)			\$10.346	FY 03	GL	Ft Polk	1
Oct-04	US, HI, Ft Shafter/Schofield Bks	8,132	7,756	\$0.000	N/A	Improve	Shafter	4
Dec-04	US, VA, Ft Eustis(872)/Story(250)	1,115	1,122	\$14.800	FY03	Improve	Eustis	2,4
Mar-05	US, MO, Ft Leonard Wood	2,496	1,806	\$27.150	FY03	Improve	Leonard Wood	2,4
				\$1.850	FY05	Improve		
Mar-05	US, TX, Ft Sam Houston	925	925	\$6.600	FY04	Improve	Sam Houston	2,4
May-05	US, NY, Ft Drum	2,272	3,115	\$52.000	FY04	Improve	Drum	2,4
Jul-05	US, TX, Ft Bliss(3,203)/WSMR(82)	3,315	3,284	\$38.000	FY04	Improve	Bliss	2,4
Jan-06	US, GA, Ft Benning	3,945	4,000	\$55.150	FY05	Improve	Benning	2,4
Mar-06	US, KS, Ft Leavenworth	1,578	1,583	\$15.000	FY05	Improve	Leavenworth	2,4
Apr-06	US, TX, Ft Bliss/WSMR (in lieu of MILCON)		305	\$31.000	FY05	Construct	Bliss	2,4
				\$3.960	FY06		Bliss	
Apr-06	US, AL, Ft Rucker	1,512	1,476	\$24.000	FY05	Improve	Rucker	2,4
May-06	US, GA, Ft Gordon	876	1,080	\$9.000	FY05	Improve	Gordon	2,4
May-06	US, PA, Carlisle Bks(277)/Picatinny Arsnl(71)	429	348	\$0.494	FY02	Improve	Carlisle	2,4
				\$22.000	FY04	Improve		
				\$5.940	FY06	Construct		
				\$11.000	FY06	Improve		
Jul-06	US, KS, Ft Riley	3,114	3,827	\$56.000	FY05	Construct	Riley	2,4
				\$67.000	FY06	Improve		
Sep-06	US, KY, Ft Campbell Phase II		200	\$28.000	FY06	Construct	Campbell	2,4
Oct-06	US, AL, Redstone Arsenal	453	230	\$0.590	FY05	Improve	Redstone	2,4
Nov-06	US, CO, Ft Carson Phase II		396	\$0.000	N/A	Construct	Carson	4
Dec-06	US, KY, Ft Knox	2,998	2,527	\$31.000	FY05	Improve	Knox	2,4
Jan-07	US, MD, Ft Meade Restructure		-543	\$0.000	N/A	N/A	Meade	4
Feb-07	US, CA, Ft Irwin Phase II Restructure		0	\$26.660	FY06	Improve	Irwin	2,4
Aug-07	US,VA, Ft Lee	1,206	1,508	\$19.305	FY06	Construct	Lee	2,4
				\$13.464	FY06	Improve	Lee	

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
MILITARY HOUSING PRIVATIZATION INITIATIVE (MHPI) (Continued)
FH-6 Exhibit

Privatization Date ¹	Project Name and/or Installation/State ²	Actual/Current ³						Author-ities ⁵
		Units ⁴ Conveyed	End State Units ⁴	Funding Source ⁵				
				Amount (\$M)	Budget Year(s)	Type	Project	
Sep-07	US, NC, Ft Bragg/Pope AFB (BRAC)	629	629	\$0.000	N/A	Improve	Bragg	4
Nov-07	US,PA, Carlisle Bks Land Sale			\$1.632	N/A	N/A	Carlisle	2
Jun-08	US,NY, Ft Drum Phase II (AMF)		720	\$75.000	FY07	Construct	Drum	2,4
Aug-08	US, NY, US Military Academy	961	824	\$22.000	FY07	Improve	USMA	2,4
Aug-08	US, SC, Ft Jackson	1,162	850	\$58.900	FY08	Improve	Jackson	2,4
Nov-08	US, OK, Ft Sill	1,411	1,650	\$30.500	FY08	Improve	Sill	2,4
Dec-08	US, WA, Lewis - McChord	978	712	\$16.200	FY08	Improve	Lewis	2,4
Dec-08	US, CA, Presidio of Monterey Restructure		-644	\$0.000	N/A	N/A	POM	4
Apr-09	US, AK, Ft Wainwright-Greely	1,740	1,409	\$25.000	FY08	Improve	Wainwright	2,4
	US, AK, Ft Wainwright-Greely (Phase II)	126	230	\$56.610	FY09	Improve		
	US, AK, Ft Wainwright-Greely (Loan Guarantee)			\$9.950	FY09	GL		
Apr-09	US, AZ, Ft Huachuca(1,064)/Yuma Proving Ground(105)	1,570	1,169	\$0.000	N/A	Improve	Huachuca	4
May-09	US, VA, Ft Belvoir		36	\$0.000	N/A	Improve	Belvoir	4
Dec-09	US, TX, Ft Bliss Phase II		53	\$12.600	FY07	Construct	Bliss	2,4
	US, TX, Ft Bliss Deficit Construction		149	\$35.600	FY08		Bliss	
Dec-09	US,CA, Ft Irwin Phase III (AMF)		94	\$31.000	FY07	Improve	Irwin	2,4
Dec-09	US, MD, Aberdeen Proving Ground	1,006	372	\$14.000	FY09	Improve	APG	4
Apr-10	US, CO, Ft Carson Deficit Construction		308	\$98.300	FY08	Construct	Carson	2,4
Oct-10	US, AK, Ft Wainwright Phase III		176	\$52.000	FY10	Improve	Wainwright	2,4
Oct-10	US, KY, Ft Knox Deficit Construction		36	\$40.695	FY10	Construct	Knox	2
Jan-11	US, WA, Ft Lewis Deficit Construction		295	\$72.700	FY08	Construct	Lewis	2,4
Feb-11	US, TX, Ft Bliss Deficit Construction		1,064	\$127.000	FY09	Construct	Bliss	2,4
Mar-11	US, GA, Ft Stewart Deficit Construction ***		0	\$5.201	FY09	Construct	Stewart	2,4
Mar-11	US, VA, Ft Eustis/Story BRAC 2005		8	\$6.500	FY10	Construct	Eustis	2
Mar-11	US, LA, Ft Polk Deficit Construction		0	\$18.392	FY10	Construct	Polk	2
Mar-11	US, NC, Ft Bragg BRAC 2005		13	\$5.400	FY10	Construct	Bragg	2
Mar-11	US, NY, Ft Hamilton (Recover Scope)		0	\$3.000	FY09	Improve	Stewart	2
Mar-11	US, NC, Ft Bragg Deficit Construction		20	\$44.400	FY08	Construct	Bragg	2,4
Apr-11	US, AK, FT Wainwright (Recover Scope)		0	\$43.500	FY09	Improve	Carson&Stewart	2
Apr-11	US, CA, Ft Irwin Phase IV		82	\$30.000	FY10	Improve	Irwin	2,4
Apr-11	US, CO, Ft Carson Deficit Construction ***		0	\$37.600	FY09	Construct	Carson	2,4
Apr-11	US, KS, Ft Riley (Phase II School)		0	\$30.900	FY09	Construct	Stewart	2
Apr-11	US, MO, Ft Leonard Wood (Recover Scope)		0	\$15.750	FY09	Improve	Carson&Stewart	2
Nov-11	US, OK, Ft Sill Deficit Construction		78	\$20.300	FY10	Construct	Sill	2
Jan-12	US, VA, Ft Eustis/Story Phase II (Replacement Units)		1	\$19.960	FY11	Improve	Eustis	2
Jan-12	US, PA, Carlisle Brks Phase II (Replacement Units)		0	\$14.970	FY11	Improve	Carlisle	2
Mar-12	US, OK, Ft Sill (Recover Scope)		0	\$26.700	FY09	Improve	Carson&Stewart	2
Grand Totals		80,597	86,077	\$1,938.731				

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
MILITARY HOUSING PRIVATIZATION INITIATIVE (MHPI) (Continued)
FH-6 Exhibit

NOTES:

- 1 - The date real property is transferred (land and housing units) to private ownership/developer, and when service members become entitled to receive a basic allowance for housing.
- 2 - For grouped projects, the first line should be the grouped project name with lines below for each installation and state in the grouped project.
- 3 - The actual/current scope and funding, as of 30 Sep 2016, corresponding to the end state that the owner is obligated to provide, subsequent to OSD/OMB approval, based on changes due to local market conditions and operational transformations. These definitions are consistent with those in the semi-annual MHPI Program Evaluation Plan Report.
- 4 - Show the total conveyed and end-state units for a grouped project, and for each installation within a grouped project.
- 5 - Provide all funding sources.
- 6 - AUTHORITIES:
 - 1 - 10 USC 2873 "Direct Loans and Loan Guarantees"
 - 2 - 10 USC 2875 "Investments in Nongovernmental Entities"
 - 3 - 10 USC 2877 "Differential Lease Payments"
 - 4 - 10 USC 2878 "Conveyance or Lease of Existing Property and Facilities"

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Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing
REIMBURSABLE PROGRAM

(\$ in Thousands)

FY 2018 Budget Request	\$15,000
FY 2017 Program Budget	\$15,000

The Reimbursable program provides for the collection and use of payments for utilities and services, routine maintenance and repair, rents associated with the use of government housing by authorized occupants, and damages caused by occupant negligence. This account provides authority to incur costs for services and repair of damages to be reimbursed by collection of payments from Federal and non-Federal sources.

The following table shows the source of receipts for the Family housing account.

	FY 2017 (Budget Request)	FY 2018 (Budget Estimate)
Non-Federal Sources	12,056	12,056
Federal Sources	2,944	2,944

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2018 Budget Estimates
Army Family Housing

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DEPARTMENT OF ARMY
Fiscal Year (FY) 2018
Budget Estimates

Homeowners Assistance Fund, Defense

Justification Data Submitted to Congress
May 2017

May 2017

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Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense

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DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
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Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense

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DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
SUMMARY

	<u>(In Thousands)</u>
FY 2018 Program/Appropriation	\$15,031/ -0-
FY 2017 Program/Appropriation	\$12,932/ -0-

Program and Scope

This fund finances the Department of Defense Homeowners Assistance Program (HAP). The HAP is a benefit program available to assist eligible beneficiaries in three categories:

- (1) Military and civilian Federal employee homeowners when the real estate market is adversely affected directly related to the closure or reduction-in-scope of operations due to Base Realignment and Closure (BRAC).
- (2) Service members who are wounded, injured, or made ill as a consequence of duties during a forward deployment after September 11, 2001; and
- (3) The spouses of a member of the Armed Forces or a civilian employee of the Department of Defense or the United States Coast Guard who is killed in the line of duty or in the performance of his or her duties during a deployment on or after September 11, 2001, in support of the Armed Forces or died from a wound, injury, or illness incurred in the line of duty during such a deployment.

HAP provides some financial assistance to these homeowners when they are unable to sell their homes under reasonable terms and conditions. Although HAP provides for acquisition of dwellings under certain circumstances, since there is no governmental requirement for these residential properties and the government must resell any properties it acquires immediately, HAP is therefore not subject to the general procedures for acquiring and disposing of Army real property. Moreover, HAP is not a claims program. All determinations made by the Secretary of Defense are final and conclusive and, by statute, are not subject to judicial review. Therefore, every effort must be made to ensure that each applicant is treated fairly and receives the maximum benefits for which he/she may be eligible within available appropriations.

Per DoD Directive 4165.50E, the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD (AT&L)) has overall responsibility and, through the Office of the Assistant Secretary of Defense for Energy, Installations, and Environment provides oversight for this program. The Army, acting as the DoD Executive Agent for administering the HAP, uses the Headquarters, U. S. Army Corps of Engineers (HQUSACE) to implement the program.

May 2017

DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense

Program Summary

The FY 2018 budget requests authorization of appropriation in the amount of \$-0- to fund Homeowners Assistance Fund program expenses. The total program estimate for FY 2018 is \$15,030,761 and will be funded with revenue from sales of acquired properties, and prior year unobligated balances. Program expenses include payments to homeowners for losses on private sales; costs of judicial foreclosures; property acquisitions by liquidating and/or assuming outstanding mortgages; partial payment of homeowners' lost equity on government acquisitions; retirement of debt after the sale of properties when the government assumes mortgages; and administrative expenses.

The Homeowners Assistance Fund, Defense (HOA) is a non-expiring revolving fund. The Program Financial Summary chart that follows shows that the fund receives funding from several sources: appropriations, borrowing authority, reimbursable authority, prior fiscal year unobligated balances, appropriation transfers, revenue from sale of acquired properties, and recovery of prior year obligations. The fund is not a profit-making endeavor. Although the proceeds from the sale of homes are returned to the fund, this revenue does not always replenish it nor totally fund projected requirements. Since the Homeowners Assistance Fund is not self-sustaining, periodic appropriations may be required to maintain its solvency as a revolving fund. In the past, Congress has authorized the transfer of funds from the BRAC account to the Homeowners Assistance Fund when BRAC programs cause HAP activity.

The FY2018 HAP financial condition requires no budget request to fund the program requirements and maintain the fund's solvency. The program will maintain the fund's solvency with prior year carryover and revenue. Program activity and funding requirements for HAP are based on execution timelines and eligible Wounded, Ill, and Injured and Surviving Spouses. This estimate of zero request is based on no planned BRAC related closures or realignments or other non-BRAC unit restationing in FY2018.

May 2017

DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
AUTHORIZATION AND
APPROPRIATION LANGUAGE

For use in the Homeowners Assistance Fund established pursuant to section 1013(d) of the Demonstration Cities and Metropolitan Development Act of 1966, as amended (42 U.S.C. 3374), [0] \$-0- to become available on October 1, 2017 and remain available until expended.

General Provision: Continue the annual provision of transfer authority from BRAC into HAP in the General Provisions of the Military Quality of Life and Veterans Affairs Appropriations Act.

May 2017

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimate
Homeowners Assistance Fund, Defense**

The chart below is a summary of the funding for FY2016, FY2017 and FY2018

PROGRAM FINANCIAL SUMMARY

	ACTUAL ESTIMATE FY 2016	BUDGET REQUEST FY 2017	BUDGET ESTIMATE FY 2018
HOMEOWNERS ASSISTANCE FUND, DEFENSE			
PROGRAM RESOURCES			
New Appropriation/TOA Requested	0	0	0
Indefinite Borrowing Authority	0	0	0
Transfer To/From Other Account	0	0	0
Total Budget Authority Requested	0	0	0
REIMBURSABLE RESOURCES			
Reimbursable Authority	0	0	0
OTHER PROGRAM RESOURCES			
Prior FY Unoblig Bal Brought FWD	194,781,599	89,606,270	60,729,268
Unobligated Balance Transferred - TO / FROM	105,000,000	25,000,000	0
Anticipated Revenue from Sale of Real Property	3,108,491	9,055,000	8,788,000
Recovery of Prior Year Balances	2,085,427	0	0
TOTAL PROGRAM RESOURCES	94,975,517	73,661,270	69,517,268
PLANNED PROGRAM EXECUTION			
Payments to Homeowners	314,414	300,000	300,000
Other Operating Cost	1,461,881	4,354,734	6,867,356
Acquisition of Real Property	3,592,952	8,277,268	7,863,405
Mortgages Assumed	0	0	0
Retirement of Debt - Authority W/D	0	0	0
TOTAL PLANNED PROGRAM EXPENSE	5,369,247	12,932,002	15,030,761
ANTICIPATED EOY UNOBLIGATED :			
Unused - Mortgage Assumption Authority	0	0	0
Balance Carried Forward	89,606,270	60,729,268	54,486,507

DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
Workload and Obligation Data
FY 2018

	Budget Actual - FY 2016			Budget Enactment - FY 2017			Budget Request - FY 2018		
	Units	Dollars (000)	AVG (\$)	Units	Dollars (000)	AVG (\$)	Units	Dollars (000)	AVG (\$)
1. INVESTMENT									
a. Equity Payments	4	106	26,500	5	85	17,000	5	80	16,000
b. Liquidation of Mortgages									
(1) 1st Mortgage	26	3,487	134,115	50	8,000	160,000	48	7,600	158,333
(2) 2nd Mortgage	0	0	0	2	160	80,000	2	152	76,000
(3) Other Liens	0	0	0	2	32	16,000	2	31	15,500
c. Total: Payments	30	3,593	119,767	59	8,277	140,288	57	7,863	137,947
d. Mortgages Assumed	0	0	0	0	0	0	0	0	0
e. Total Investment		3,593			8,277			7,863	
2. EXPENSE									
a. Payments - Private Sales	6	314	52,333	6	300	50,000	6	300	50,000
b. Payments - Real Property	0	0	0	0	0	0	0	0	0
c. Payments - Foreclosures	0	0	0	0	0	0	0	0	0
d. Payments - Reimbursements/Refunds	0	0	0	0	0	0	0	0	0
e. Subtotal - Payments to Homeowners	6	314	52,333	6	300	50,000	6	300	50,000
f. Appraisals	0	0	0	0	0	0	0	0	0
g. Administrative Expense		1,071			3,540			6,086	
h. Total Expense - Acquisition		1,385			3,840			6,386	
3. EXPENSE - MANAGEMENT & DISPOSAL									
a. Appraisals	0	0	0	0	0	0	0	0	0
b. Interest/Taxes/Insurance	8	4	500	5	5	1,000	5	5	1,000
c. Sales Expense	34	387	11,382	55	810	14,727	53	777	14,660
d. Maintenance & Operating Expense	0	0	0	0	0	0	0	0	0
e. Administrative Expense		0			0			0	
f. Total Expense Management & Disposal		391			815			782	
4. TOTAL EXPENSE		1,776			4,655			7,168	
5. TOTAL PROGRAM - INVESTMENT AND EXPENSE		5,369			12,932			15,031	

DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
Workload and Obligation Data
 FY 2018

BRAC PROGRAMS

	Budget Actual - FY 2016			Budget Enactment - FY 2017			Budget Request - FY 2018		
	Units	Dollars (000)	AVG (\$)	Units	Dollars (000)	AVG (\$)	Units	Dollars (000)	AVG (\$)
1. INVESTMENT									
a. Equity Payments	0	0	0	0	0	0	0	0	0
b. Liquidation of Mortgages									
(1) 1st Mortgage	0	0	0	0	0	0	0	0	0
(2) 2nd Mortgage	0	0	0	0	0	0	0	0	0
(3) Other Liens	0	0	0	0	0	0	0	0	0
c. Total: Payments	0	0	0	0	0	0	0	0	0
d. Mortgages Assumed	0	0	0	0	0	0	0	0	0
e. Total Investment		0			0			0	
2. EXPENSE									
a. Payments - Private Sales	0	0	0	0	0	0	0	0	0
b. Payments - Real Property	0	0	0	0	0	0	0	0	0
c. Payments - Foreclosures	0	0	0	0	0	0	0	0	0
d. Payments - Reimbursements/Refunds	0	0	0	0	0	0	0	0	0
e. Subtotal - Payments to Homeowners	0	0	0	0	0	0	0	0	0
f. Appraisals	0	0	0	0	0	0	0	0	0
g. Administrative Expense		0			0			0	
h. Total Expense - Acquisition		0			0			0	
3. EXPENSE - MANAGEMENT & DISPOSAL									
a. Appraisals	0	0	0	0	0	0	0	0	0
b. Interest/Taxes/Insurance	0	0	0	0	0	0	0	0	0
c. Sales Expense	0	0	0	0	0	0	0	0	0
d. Maintenance & Operating Expense	0	0	0	0	0	0	0	0	0
e. Administrative Expense		0			0			0	
f. Total Expense Management & Disposal		0			0			0	
4. TOTAL EXPENSE		0			0			0	
5. TOTAL PROGRAM - INVESTMENT AND EXPENSE		0			0			0	

EXHIBIT HA-1

DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
Workload and Obligation Data
FY 2018

NON-BRAC PROGRAMS

	Budget Actual - FY 2016			Budget Enactment - FY 2017			Budget Request - FY 2018		
	Units	Dollars (000)	AVG (\$)	Units	Dollars (000)	AVG (\$)	Units	Dollars (000)	AVG (\$)
1. INVESTMENT									
a. Equity Payments	4	106	26,500	5	85	17,000	5	80	16,000
b. Liquidation of Mortgages									
(1) 1st Mortgage	26	3,487	134,115	50	8,000	160,000	48	7,600	158,333
(2) 2nd Mortgage	0	0	0	2	160	80,000	2	152	76,000
(3) Other Liens	0	0	0	2	32	16,000	2	31	15,500
c. Total: Payments	30	3,593	119,767	59	8,277	140,288	57	7,863	137,947
d. Mortgages Assumed	0	0	0	0	0	0	0	0	0
e. Total Investment		3,593			8,277			7,863	
2. EXPENSE									
a. Payments - Private Sales	6	314	52,333	6	300	50,000	6	300	50,000
b. Payments - Real Property	0	0	0	0	0	0	0	0	0
c. Payments - Foreclosures	0	0	0	0	0	0	0	0	0
d. Payments - Reimbursements/Refunds	0	0	0	0	0	0	0	0	0
e. Subtotal - Payments to Homeowners	6	314	52,333	6	300	50,000	6	300	50,000
f. Appraisals	0	0	0	0	0	0	0	0	0
g. Administrative Expense		1,071			3,540			6,086	
h. Total Expense - Acquisition		1,385			3,840			6,386	
3. EXPENSE - MANAGEMENT & DISPOSAL									
a. Appraisals	0	0	0	0	0	0	0	0	0
b. Interest/Taxes/Insurance	8	4	500	5	5	1,000	5	5	1,000
c. Sales Expense	34	387	11,382	55	810	14,727	53	777	14,660
d. Maintenance & Operating Expense	0	0	0	0	0	0	0	0	0
e. Administrative Expense		0			0			0	
f. Total Expense Management & Disposal		391			815			782	
4. TOTAL EXPENSE		1,776			4,655			7,168	
5. TOTAL PROGRAM - INVESTMENT AND EXPENSE		5,369			12,932			15,031	

May 2017

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
STATUS OF ACCOUNTS - PART I
FY 2016 Budget Actual**

ITEM	CASH (\$000)	AUTHORITY TO SPEND AGENCY DEBT RECEIPT (\$000)	TOTAL (\$000)
1. EXPENDITURE ACCOUNT - RESOURCES AND APPLICATIONS			
a. RESOURCES			
(1) Unobligated Balance Start of Year	194,782	0	194,782
(2) Appropriations	0	0	0
(3) New Authorization to Spend Agency Debt Receipts	0	0	0
(4) Transfer To/From Other Account	105,000	0	105,000
(5) Revenue			
(a) Sales (Cash)	3,108	0	3,108
(b) Sales (Non-Cash)	0	0	0
(c) Other Revenue	0	0	0
(6) Less Retirement of Debt			
(a) Principal Payments on Mortgages	0	0	0
(b) Mortgage Transfers	0	0	0
(7) Recovery of Prior Year Obligations	2,085	0	2,085
(8) Total	94,975	0	94,975
b. APPLICATIONS			
(1) Payments on Acquisitions of Properties	314	0	314
(2) Value of Mortgages Payable Assumed	0	0	0
(3) Expenses	5,055	0	5,055
(4) Transfer of Miscellaneous Receipts	0	0	0
(5) Total	5,369	0	5,369
c. UNOBLIGATED BALANCE - END OF PERIOD	89,606	0	89,606

EXHIBIT HA-2

May 2017

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
STATUS OF ACCOUNTS - PART II
FY 2016 Budget Actual**

ITEM	TOTAL (\$000)	
1. PROPERTY ACCOUNT		
a. ON HAND, START OF YEAR		4,526
b. PAYMENTS FOR EQUITY AND MORTGAGES ON ACQUISITION OF PROPERTIES		3,593
c. VALUE OF MORTGAGES PAYABLE ASSUMED		0
d. LESS ACQUISITIONS PRICE OF PROPERTIES SOLD		3,108
e. ON HAND, END OF YEAR		5,011
2. BORROWING ACCOUNT (MORTGAGES PAYABLE)		
a. BALANCE PAYABLE, START OF YEAR		0
b. VALUE OF MORTGAGES PAYABLE ASSUMED		0
c. LESS PAYMENTS ON PRINCIPAL:		
(1) Monthly Payments		0
(2) Mortgage Prepayment (Buydowns)		0
d. LESS VALUE OF MORTGAGES TRANSFERRED		0
e. SUBTOTAL - RETIREMENT OF DEBT		0
f. BALANCE PAYABLE - END OF PERIOD		0
3. NET EQUITY IN PROPERTY		5,011
4. RECAPITULATION FOR PROPERTIES SOLD*	Total	Avg (\$)
a. SALES PRICE	3,108	314
b. LESS:		
(1) Acquisition Price	933	94
(2) M&D Expense	391	39
c. NET GAIN OR (LOSS)	(1,784)	180

*Excludes Acquisition Administrative Expense

EXHIBIT HA-2

May 2017

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
STATUS OF ACCOUNTS - PART I
FY 2017 Budget Enactment**

ITEM	CASH (\$000)	AUTHORITY TO SPEND AGENCY DEBT RECEIPT (\$000)	TOTAL (\$000)
1. EXPENDITURE ACCOUNT - RESOURCES AND APPLICATIONS			
a. RESOURCES			
(1) Unobligated Balance Start of Year	89,606	0	89,606
(2) Appropriations	0	0	0
(3) New Authorization to Spend Agency Debt Receipts	0	0	0
(4) Transfer To/From Other Account	25,000	0	25,000
(5) Revenue			
(a) Sales (Cash)	9,055	0	9,055
(b) Sales (Non-Cash)	0	0	0
(c) Other Revenue	0	0	0
(6) Less Retirement of Debt			
(a) Principal Payments on Mortgages	0	0	0
(b) Mortgage Transfers	0	0	0
(7) Recovery of Prior Year Obligations	0	0	0
(8) Total	73,661	0	73,661
b. APPLICATIONS			
(1) Payments on Acquisitions of Properties	300	0	300
(2) Value of Mortgages Payable Assumed	0	0	0
(3) Expenses	12,632	0	12,632
(4) Transfer of Miscellaneous Receipts	0	0	0
(5) Total	12,932	0	12,932
c. UNOBLIGATED BALANCE - END OF PERIOD	60,729	0	60,729

EXHIBIT HA-2

May 2017

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2017 Budget Estimates
Homeowners Assistance Fund, Defense
STATUS OF ACCOUNTS - PART II
FY 2017 Budget Enactment**

ITEM	TOTAL (\$000)	
1. PROPERTY ACCOUNT		
a. ON HAND, START OF YEAR		5,011
b. PAYMENTS FOR EQUITY AND MORTGAGES ON ACQUISITION OF PROPERTIES		8,277
c. VALUE OF MORTGAGES PAYABLE ASSUMED		0
d. LESS ACQUISITIONS PRICE OF PROPERTIES SOLD		9,055
e. ON HAND, END OF YEAR		4,233
2. BORROWING ACCOUNT (MORTGAGES PAYABLE)		
a. BALANCE PAYABLE, START OF YEAR		0
b. VALUE OF MORTGAGES PAYABLE ASSUMED		0
c. LESS PAYMENTS ON PRINCIPAL:		
(1) Monthly Payments		0
(2) Mortgage Prepayment (Buydowns)		0
d. LESS VALUE OF MORTGAGES TRANSFERRED		0
e. SUBTOTAL - RETIREMENT OF DEBT		0
f. BALANCE PAYABLE - END OF PERIOD		0
3. NET EQUITY IN PROPERTY		4,233
4. RECAPITULATION FOR PROPERTIES SOLD*	Total	Avg (\$)
a. SALES PRICE	9,055	915
b. LESS:		
(1) Acquisition Price	3,266	330
(2) M&D Expense	815	82
c. NET GAIN OR (LOSS)	(4,974)	502

*Excludes Acquisition Administrative Expense

EXHIBIT HA-2

May 2017

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
STATUS OF ACCOUNTS - PART I
FY 2018 Budget Request**

ITEM	CASH (\$000)	AUTHORITY TO SPEND AGENCY DEBT RECEIPT (\$000)	TOTAL (\$000)
1. EXPENDITURE ACCOUNT - RESOURCES AND APPLICATIONS			
a. RESOURCES			
(1) Unobligated Balance Start of Year	60,729	0	60,729
(2) Appropriations	0	0	0
(3) New Authorization to Spend Agency Debt Receipts	0	0	0
(4) Transfer To/From Other Account	0	0	0
(5) Revenue			
(a) Sales (Cash)	8,788	0	8,788
(b) Sales (Non-Cash)	0	0	0
(c) Other Revenue	0	0	0
(6) Less Retirement of Debt			
(a) Principal Payments on Mortgages	0	0	0
(b) Mortgage Transfers	0	0	0
(7) Recovery of Prior Year Obligations	0	0	0
(8) Total	69,517	0	69,517
b. APPLICATIONS			
(1) Payments on Acquisitions of Properties	300	0	300
(2) Value of Mortgages Payable Assumed	0	0	0
(3) Expenses	14,730	0	14,730
(4) Transfer of Miscellaneous Receipts	0	0	0
(5) Total	15,030	0	15,030
c. UNOBLIGATED BALANCE - END OF PERIOD			
	54,487	0	54,487

EXHIBIT HA-2

May 2017

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
STATUS OF ACCOUNTS - PART II
FY 2018 Budget Request**

ITEM	TOTAL (\$000)	
1. PROPERTY ACCOUNT		
a. ON HAND, START OF YEAR		4,233
b. PAYMENTS FOR EQUITY AND MORTGAGES ON ACQUISITION OF PROPERTIES		7,863
c. VALUE OF MORTGAGES PAYABLE ASSUMED		0
d. LESS ACQUISITIONS PRICE OF PROPERTIES SOLD		8,788
e. ON HAND, END OF YEAR		3,308
2. BORROWING ACCOUNT (MORTGAGES PAYABLE)		
a. BALANCE PAYABLE, START OF YEAR		0
b. VALUE OF MORTGAGES PAYABLE ASSUMED		0
c. LESS PAYMENTS ON PRINCIPAL:		
(1) Monthly Payments		0
(2) Mortgage Prepayment (Buydowns)		0
d. LESS VALUE OF MORTGAGES TRANSFERRED		0
e. SUBTOTAL - RETIREMENT OF DEBT		0
f. BALANCE PAYABLE - END OF PERIOD		0
3. NET EQUITY IN PROPERTY		3,308
4. RECAPITULATION FOR PROPERTIES SOLD*	Total	Avg (\$)
a. SALES PRICE	8,788	1,608
b. LESS:		
(1) Acquisition Price	3,630	664
(2) M&D Expense	777	142
c. NET GAIN OR (LOSS)	(4,381)	802

*Excludes Acquisition Administrative Expense

EXHIBIT HA-2

May 2017

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
WORK UNIT DATA
FY 2016 Budget Actual**

ITEM	MILITARY	CIVILIAN	NAF	TOTAL
1. APPLICATIONS FOR ASSISTANCE				
a. ON HAND - START OF YEAR	10	24	0	34
b. RECEIVED	10	20	0	30
c. LESS ACTIONS COMPLETED:				
(1) Homes Acquired - for outstanding mortgages balance	0	0	0	0
(2) Homes Acquired - at 75%	10	16	0	26
(3) Homes Acquired - no mortgage	0	4	0	4
(4) Reimbursement for losses on private sales	0	6	0	6
(5) Reimbursement for losses on real property	0	0	0	0
(6) Payments in foreclosure cases	0	0	0	0
(7) Settlements - no payment due	0	0	0	0
(8) Other (Not Eligible or Application Withdrawn)	0	0	0	0
d. ON HAND - END OF PERIOD	10	18	0	28
2. ACQUIRED HOMES				
a. ON HAND - START OF YEAR				26
b. ACQUIRED				30
c. DISPOSED OF				24
d. ON HAND - END OF PERIOD				32
3. MORTGAGES PAYABLE				
a. ON HAND - START OF YEAR				0
b. ASSUMED				0
c. LESS LIQUIDATED				0
d. ON HAND - END OF PERIOD				0
4. OTHER DATA				
a. SECOND MORTGAGES LIQUIDATED				0
b. APPRAISALS MADE				0
c. APPEALS PROCESSED:				
(1) Approved				0
(2) Disapproved				0
(3) Pending				0

EXHIBIT HA-3

May 2017

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
WORK UNIT DATA
FY 2017 Budget Enactment**

ITEM	MILITARY	CIVILIAN	NAF	TOTAL
1. APPLICATIONS FOR ASSISTANCE				
a. ON HAND - START OF YEAR	10	18	0	28
b. RECEIVED	33	22	0	55
c. LESS ACTIONS COMPLETED:				
(1) Homes Acquired - for outstanding mortgages balance	0	0	0	0
(2) Homes Acquired - at 75%	30	24	0	54
(3) Homes Acquired - no mortgage	0	5	0	5
(4) Reimbursement for losses on private sales	0	6	0	6
(5) Reimbursement for losses on real property	0	0	0	0
(6) Payments in foreclosure cases	0	0	0	0
(7) Settlements - no payment due	0	0	0	0
(8) Other (Not Eligible or Application Withdrawn)	7	0	0	7
d. ON HAND - END OF PERIOD	6	5	0	11
2. ACQUIRED HOMES				
a. ON HAND - START OF YEAR				32
b. ACQUIRED				59
c. DISPOSED OF				55
d. ON HAND - END OF PERIOD				36
3. MORTGAGES PAYABLE				
a. ON HAND - START OF YEAR				0
b. ASSUMED				0
c. LESS LIQUIDATED				0
d. ON HAND - END OF PERIOD				0
4. OTHER DATA				
a. SECOND MORTGAGES LIQUIDATED				2
b. APPRAISALS MADE				0
c. APPEALS PROCESSED:				
(1) Approved				1
(2) Disapproved				2
(3) Pending				2

EXHIBIT HA-3

May 2017

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
WORK UNIT DATA
FY 2018 Budget Request**

ITEM	MILITARY	CIVILIAN	NAF	TOTAL
1. APPLICATIONS FOR ASSISTANCE				
a. ON HAND - START OF YEAR	6	5	0	11
b. RECEIVED	33	35	0	68
c. LESS ACTIONS COMPLETED:				
(1) Homes Acquired - for outstanding mortgages balance	0	0	0	0
(2) Homes Acquired - at 75%	30	18	0	48
(3) Homes Acquired - no mortgage	0	5	0	5
(4) Reimbursement for losses on private sales	0	6	0	6
(5) Reimbursement for losses on real property	0	0	0	0
(6) Payments in foreclosure cases	0	0	0	0
(7) Settlements - no payment due	0	0	0	0
(8) Other (Not Eligible or Application Withdrawn)	7	0	0	7
d. ON HAND - END OF PERIOD	2	11	0	13
2. ACQUIRED HOMES				
a. ON HAND - START OF YEAR				36
b. ACQUIRED				53
c. DISPOSED OF				53
d. ON HAND - END OF PERIOD				36
3. MORTGAGES PAYABLE				
a. ON HAND - START OF YEAR				0
b. ASSUMED				0
c. LESS LIQUIDATED				0
d. ON HAND - END OF PERIOD				0
4. OTHER DATA				
a. SECOND MORTGAGES LIQUIDATED				2
b. APPRAISALS MADE				0
c. APPEALS PROCESSED:				
(1) Approved				1
(2) Disapproved				1
(3) Pending				0

EXHIBIT HA-3

May 2017

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2018 Budget Estimates
Homeowners Assistance Fund, Defense
PROGRAM AND FINANCING
FY 2018**

	Actual FY 2016		Budget Enactment FY 2017		Budget Request FY 2018	
	Units	Obligations (000)	Units	Obligations (000)	Units	Obligations (000)
PAYMENTS TO HOMEOWNERS	6	314	6	300	6	300
OTHER OPERATING COSTS	1	1,462	1	4,355	1	6,868
ACQUISITION OF PROPERTIES	30	3,593	59	8,277	53	7,863
MORTGAGES ASSUMED	0	0	0	0	0	0
TOTAL PROGRAM		5,369		12,932		15,031
AVAILABLE FROM PRIOR YEAR		194,782		89,606		60,729
UNOBLIGATED BALANCES TRANSFERRED - OUT		105,000		25,000		0
ESTIMATED EARNED REVENUE		3,108		9,055		8,788
RETIREMENT OF DEBT		0		0		0
RECOVERY OF PRIOR YEAR OBLIGATIONS		2,085		0		0
AVAILABLE FOR OTHER YEARS		89,606		60,729		54,486
BUDGET AUTHORITY		0		0		0
AUTHORIZATION TO SPEND AGENCY DEBT RECEIPTS		0		0		0
APPROPRIATION		0		0		0
TRANSFER TO/FROM OTHER ACCOUNT		0		0		0
APPROPRIATION ADJUSTED		0		0		0

EXHIBIT HA-4